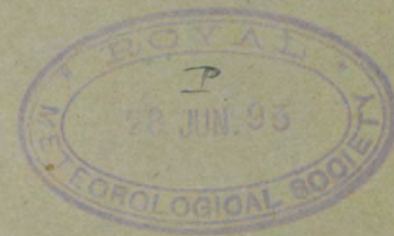


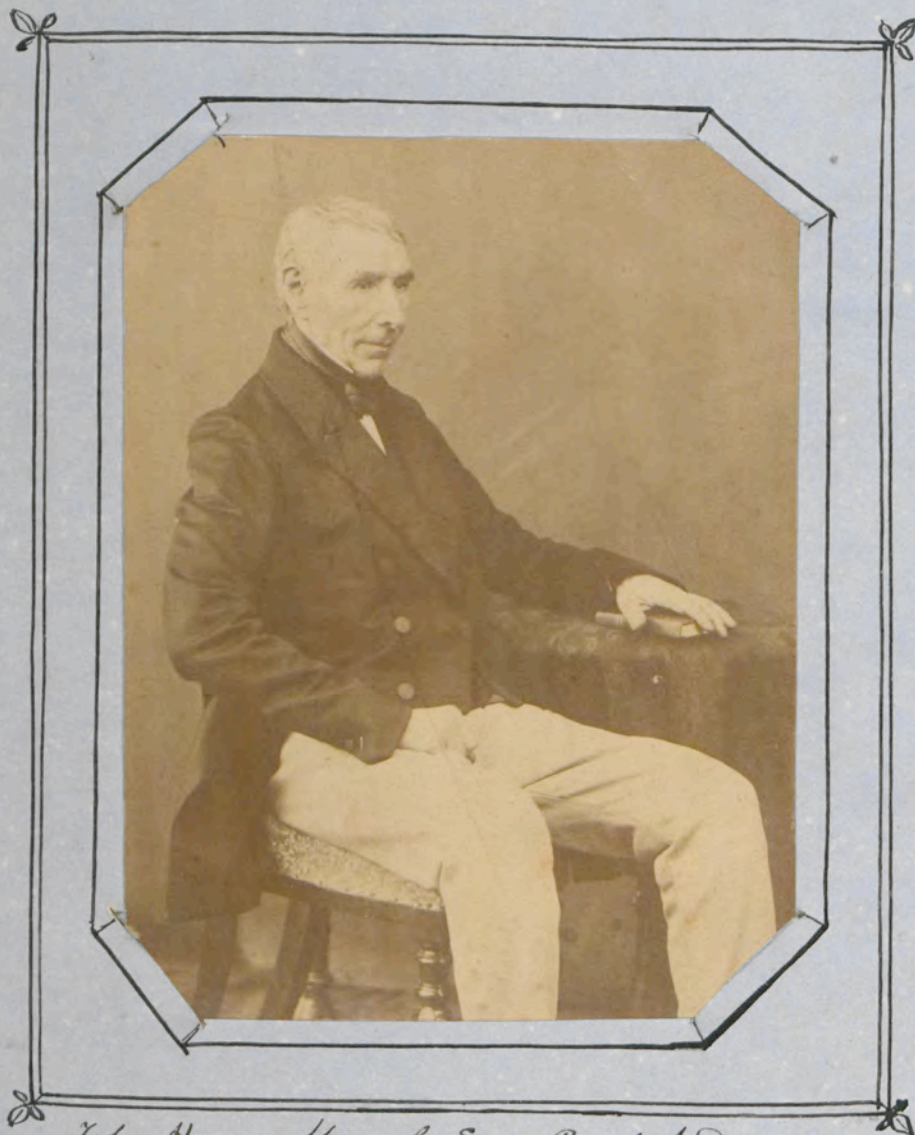
Meteorological
Journal, for
1860 & 1861

THW
08

Meteorological Journal,

1860.





John Henry Maverly Esq, Royal Academy,
Gosport, Wanto, a celebrated Astronomer,
and Meteorologist. Died May 3. 1860,
aged 77 years. A very useful
correspondent to me.

January 1860.

Jan'y.	Baro- meter	Wind.	Thermom't. lowest, & highest	Thermom't. 8pm.	Weather, &c.	notes.	Rain.
Su. 1.	29.83 -65	SW ₃ . SSW ₄ . SW ₅ .	51 53 54½		Very mild, blowing & cloudy, more sun in the afternoon, but a squally evening, some rain at times, and wind ve- ry gusty. Stormy all night.	moon 1 st 2 nd 10.48 a.m. Δ Hg ♀	¼
M. 2.	-80 -89	SW ₂ . SW ₄ . SW ₃ .	43 45 51		Clear at first, and mostly bright till near sunset, but wind squally, & storms at a distance. Hazy Evens, and the sun set in rocky clouds.	moon very dim at eve.	
Tu. 3.	-51 -20	SSE ₃ . SSE ₅ . SW ₅ .	40 47 52		Dark electric clouds, heavy falls of rain, & wind squally. — A very turbid and watery sky with sun at times. Evening also squally, & stormy night.	Exceeding- ly stormy.	24
W. 4.	28.94 29.02	SW ₃ . SW ₆ . W ₃ .	45 47 48		Rain early, but fine & bright after sunrise; chiefly so till 1 p.m. windy, cloudy, & squally afternoon. Clear Evens & much colder. —	Floods in the valleys.	20
Th. 5.	28.94 -92	W ₂ . SW ₂ . SW ₁ .	35 36 42		Keen air, & bright morning; but some sleet, before dawn. very thick & hazy afternoon, little rain at 4 p.m. and much rain during night.	* ☉ ♂	07
F. 6.	29.18 -83	NE ₂ . N ₃ . N ₄ .	36 38 41		Rain early, and very hard at 1 a.m. and again at 5. — Fine day, clouds & sun, with a keen air. Storms of rain & sleet at eve, wind squally.	valleys much flooded.	36 06
S. 7.	30.13 -30	NW ₃ . NW ₂ . NW ₁ .	30 30 38		Clear, little frost, & keen wind. Chiefly bright in the day, some grey clouds, and hazy Evens, but moon bright, and frosty night.		
41374			2803265		Mean Temp 43° 32. —	Rain cald over 1.07	

January 1860.

Jan.	Baro. meter	Wind.	Thermometer lowest 8 am highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain. 1.07
Su. 8.	30.39	SW ₂ SW ₂ SW ₃	32 35 42	Fog clouds & rosy haze, fine day, but mostly hazy, and a raw atmosphere. The evening the same, but rather clearer in the night.	39	Full moon 3.23 pm. $\Delta H \frac{1}{2}$	
M. 9.	-38	SW ₁ SE ₁ SE ₀	31 31 39	Hazy, little frost, but soon gone, cloudy & hazy all day, and the evening very thick, and more calm and mild to the sense. Some fog during the night.	35		
Tu. 10.	-28	SE ₀ SE ₁ S ₀	30 31 36	Calm, fog, & little frost, little fog all day, but bright upward. The evening sometimes foggy, but much changing, & no frost after 9 pm.	31	804	
W. 11.	-31	NE ₁ E ₂ E ₁	31 36 42	Cloudy, & close, very dark atmosphere all the forenoon; but the afternoon bright with grey clouds. Evening and night very cloudy, and nearly calm.	36	ribbed cirrostrata to clouds all pm.	
Th. 12.	-20	E ₁ E ₁ Var. ₀	33 33 43	Cloudy till 9 am, then very bright, and little wind, very fine but distant clouds forenoon change. Stars bright in the evening, and gentle frost.	32	clouds gliding from the SE.	
F. 13.	-28	Var. ₀ E ₂ E ₀	28 28 38	Hazy & frost, more hazy all day, mixed clouds, & little rain at 11 am; very little or no wind, and fine afternoon. Cloudy, and calm evening.	34		02.
S. 14.	-20	SE ₁ SE ₂ SE ₃	34 40 43	Very thick fog, & trees dripping, continued very thick & dark all day, the fog unaltered, more wind and cloudy evening, and wind increasing in the night.	41	$\Delta H \frac{3}{4}$	
423.94			219 283	Mean Temp 35°.85. —		Rain cal up 1.09	

January 1860.

Jan.	Baro. meter	Wind.	Thermometer lowest 8 am highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain. 1.09
Su. 15.	30.04	S ₅ S ₆ S ₆	40 43 50	Cloudy & blowing, with rain and sometimes heavy; a very rough, coarse, and wet day, but milder air at eve. Rain at times also during the night.	49	moon last Dr. 6.58 am.	32
M. 16.	30.15	SW ₃ W ₂ W ₂	36 39 42	Heavy showers at 1 & 2 am, fine & clearer morning, and bright forenoon; the afternoon chiefly so, but stormy clouds about. Hazy evening, and a very wild sky.	37	Great shows for more storms.	18
Tu. 17.	-32	SW ₁ W ₂ NW ₀	32 33 39½	Fine morning, bright, & little frost, very bright and calm day, keen air, but warm in the sun. Clear star light evening, and smart frost. Fog after 8.	32		
W. 18.	-03	SE ₃ SE ₄ SE ₂	28 32 41	Very white & hard frost, soon became cloudy, & spirally winds, dark, cold, & blowing afternoon. Milder evening, thermometer only 35° all pm, but over 40 after 8 pm.	36	8½° misting night.	
Th. 19.	-79	S ₃ SW ₂ SW ₁	34 42 45	Mild, dark, & rainy morning fog from 8 till 10, then more fair, some sun, with much cloud. Evening also cloudy, and shows for coming storm.	37	changeable skies all the day.	12
F. 20.	-36	SSE ₄ SSE ₄ S ₃	34 41 45	Blowing & very wet from 4 am, so continued the day through, and the rain hard at times. Evening close, rather finer during the night.	43	a very coarse and wet day indeed.	42
S. 21.	-49	S ₃ S ₆ SW ₃	32 34 43	Exceedingly stormy, rough and rainy from 10 am, till 3 pm, then clearer, & less wind, but a violent gale all the night, & most so after 12.	39	$\square H \frac{1}{2}$ extremely rough, wet & coarse.	38
417.87			236 3055	Mean Temp 38°.67. —		Rain cal over 2.58	

January 1860.

Jan.	Baro.	Wind.	Thermom.	Weather, &c.	Thermom.	Notes.	Rain.
	meter.		lowest 8 highest		8pm.		
Su. 22	29.18	SW ₇	35	Clear, & blowing hard, continued very strong gale all day, chiefly bright, but some flying clouds after 1 pm. Wind abating in the evening. Fine night, & cold.	37	very rough & tempestuous. aconites & snowdrops opening.	2.58
	-33	WSW ₇ W ₇ W ₅	41 44				
M. 23	-38	WNW ₅	33	Black air, & chiefly clear, so continued all day, and more blustering in the middle of the day. Very hazy at sunset, and wind changed, with cloudy Even.	38	new moon 0.17 am. rainy from 9 to 11 pm.	22
	-38	WNW ₆ W ₃ S E ₃	36 42				
Tu. 24	28.82	SW ₄	37	Very stormy the night past, and much cloud & threatening sky all day, heavy squalls at 3 pm, with hail and sleet. Lightning in SW in the evening. - Fine & frosty night.	38	Δ O H 84 8 Hail storm 3 pm.	72
	-87	SW ₃ W ₄ W ₃	40 43				
W. 25	29.04	NW ₂	32	Frost, & partially clear, but became dark, & lowering at 9 am; windy, heavy clouds, and cold and blustering afternoon. Evening clearer, fine & frost all night.	35	□ H ♀	
	-60	NW ₄ NW ₃	34 41				
Th. 26	-92	NW ₁	27	Clear & hard frost, but became hazy & saw from 10 am, and so continued all day; and a very wet and blowing evening, & part of the night.	35	very cold all day. Evening milder & wet.	43
	-68	Var. 0. S E ₂ S E ₅	27 35				
F. 27	-21	S ₂	33	Cloudy followed by rain again from 10 am; dark and dripping afternoon also. Evening clearer, black clouds flying & moon between. Hail 9 pm	36	Hail at 7 & 10 pm.	07
	-68	SW ₂ NW ₁ N ₂	42 45				
S. 28	30.10	NW ₂	27	Hard frost, bright with red clouds at sunrise, chiefly bright till near sunset, then more hazy & mottled, and a very thick evening, but again freezing. - snow at 9 1/2 pm.	31	Change to storm again at mid-night.	
	-10	W ₁ SW ₁ SW ₂	27 35				

412.29

224.285

Mean Temp 36° 35.

Rain cal up 3.42

January 1860.

Jan.	Baro.	Wind.	Thermom.	Weather, &c.	Thermom.	Notes.	Rain.
	meter.		lowest 8 highest		8pm.		
Su. 29	29.69	SW ₃	31	Wind & rain at 2 & 3 am; fair & bright from rise, all the forenoon, but a cloudy & hazy afternoon. Calm and hazy evening. - Very white frost by 10 pm.	35	Some snow with the rain, early am.	13
	-65	SW ₁ Var. 0.	40 43				
M. 30	-30	SW ₂	31	Hard frost & very white, but soon very thick, and lowering followed by hard rain from 10 am, with snow also till 2 pm, afterwards fine & clearer. - Night squally.	38	rain & snow at times - 4 hours.	35
	-01	SE ₅ SW ₃ W ₄	33 42				
Tu. 31	-45	NW ₄	34	Squally & cold, some sleet at 6 am. Finer in the day, rocky & heavy clouds, with sun & keen air. - Cold, blowing & cloudy evening. - Freezing night.	34	1100 n 1 1/2 Dr 5.11 am.	05
	-65	NW ₂ NW ₄	35 40				
176.95			96	1253	Mean Temp last 3 days 36° 91.) Rain - 3.95		

Barometer.

Highest on the 8th - 30.39
Lowest on the 24th - 28.82.
Range - 1.57
Mean of Month - 29.745.

Thermometer.

Highest on the 1st - 54 1/2
Lowest on, 26th & 28th - 27
range - 27 1/2
Mean daily range - 8.69
Mean of the Month - 38.36

Depth of Rain 3.95 Inches. Fine days 13 in number. Winds chiefly SW, and SE. - Hard gales on 5 days.

This was for the most part a very stormy and wet month; excepting the second week, it was a mixture of rough squally weather, rain and frost in constant interchange; a little sleet and snow at times with the rain. A very low Barometer, medium temperature, and the most rain known for a long time. Public health not bad for the season.

February 1860.

Feb.	Baro- meter	Wind.	Thermometric		Weather, &c.	Thermometric	notes	Rain.
			lowest	8 highest com		8 pm.		
W. 1.	29.80	NW ₂	28		Hard frost, chiefly bright with keen wind. More clouded after 2pm, & very cold. Evening the same, and some snow at times during night.	32	little snow at Eve.	
	-85	NW ₃		28				
		NW ₄		36				
Th. 2.	-78	NW ₃	30		Heavy falls of snow and squalls of wind, till 2pm, then fine and clearer. Evening frost, and moon chiefly bright, with some clouds. Little snow during night.	35	* ♂ & ♀ much snow.	
	30.70	NW ₃	30					
		N ₂		35				
		NE ₂						
F. 3.	-30	NE ₂	29		Cloudy till near 10 am, then clear but soon again very cloudy, & continued so all day, with less wind, and thawing fast. Fine evenings, clouds & moon between. Little frost during the night.	34	Δ H & ♀	
	-40	NE ₁		35				
		N ₁		38				
		Var.						
S. 4.	-30	SW ₃	31		Red East, cloudy & change, continued more or less cloudy all the day, damp, & misting in the evening, and milder night. wind rose after 9 pm.	44	warmth, during evening.	02
	-27	SW ₁		35				
		SW ₂		44				
Sa. 5.	-08	SW ₃	39		Bright, & drying air in the morning, blowing all day, but cloudy more or less. Evening clearer, fleecy clouds, & very windy but mild. Stormy night.	44	Δ 4 ♀	
	29.90	SW ₆	41					
		SW ₅		48				
M. 6.	-78	W ₆	33		Blowing morn'g, & driving hail & rain before 1 am, bright day and very strong wind, with flying clouds. Clear Even'g & piercing the lunar Eclipse favourably seen after midnight.	33	8 H & ♂	14
	30.05	NW ₇		33				
		NW ₅		39				
		NW ₄						
Tu. 7.	-21	NW ₃	29		Clear, & sharp air, but soon became hazy & wind ceased at 1 pm, overcast & snow all the afternoon, & wind veered to S, but again milder, rain & blowing in the Even'g. Windy night.	39	Full moon 2.35 am. & Eclipse well seen throughout.	07
	-01	W ₂	30					
		S ₁		39				
		SW ₄						
421.03			219	279	Mean Temp 35.57. —		Rain cal up 0.23	
Mean 30.06								

February 1860.

Feb.	Baro. meter.	Wind.	Thermometric lowest 8 highest	Weather, &c.	Thermometric 8pm.	notes.	Rain. 0.23
W. 8.	29.78	SW ₅ W ₆ W ₄ NW ₄	34 44 48½	Blowing morning; bright all the forenoon, but the afternoon squally, rain at times, and very rough & coarse. - Black in the N at 5 pm, followed by heavy storm & hail at 6.45 pm. & stormy night. -	41	another very coarse day.	22
Th. 9.	-75 -97	NW ₂ NW ₄ N ₃	32 32 39	Frequent storms of snow and hail, with squalls of wind, and sun between the storms, freezing evens, & snow, with hail at times. - Finer in the night, & sharper frost. -	31	very cold squally & coarse. Much hail & snow at times.	0
F. 10.	30.08 -15	NW ₂ NW ₂ W ₁	23 23 34	Snow at 6½ am, then clear, and severe frost. Clear and very bright all day, and a very sharp air. Evens clear, and frost sharp. -	27	very keen frost all night.	
S. 11.	29.99 -93	SSE ₁ SE ₂ E ₀	2½ 24 36	Severe frost, but became hazy & dark at sun-rise, very thick & snow at times till noon, clearer afternoon, & evening, continued frost. -	29	80 H severe morn'g.	0
Sa. 12.	30.29 -40	NW ₀ NNE ₂ NE ₃ 4.	27 30 37	Calm, bright & hard frost, in the morn'g. Frequent hail & snow in the middle of the day, & very cold wind, blowing evens, freezing, & snow at times.	29	wind increased at 11 am.	0
M. 13.	-59 -63	NE ₃ NE ₄ NE ₄	26 27 32	Hard frost, & keen wind with squalls and thick snow at times. A very piercing day, and the wind in gusts with the storms of snow. - Fine night, some clouds at times.	26	moon last Dr 2.50 pm. very cold & piercing day.	0
Tu. 14.	-63 -59	N ₂ NE ₂ NE ₁ N ₁	25 27 35	Continued frost. Snow at times till near 9 am, afterwards fine with grey clouds, and less wind. Fine evening and the frost more gentle. -	30	8 H & ♀	0
422.42 mean 30.17		188.5 261.5		Mean Temp 32.14.) Rain cal over 0.45.			

February 1860.

Feb.	Baro- meter.	Wind.	Thermometer Lowest. 8 Highest.	Thermom. 8pm.	Notes.	Rain.
W. 15.	30.54	NW ₂ .	26		Continued hard frost, closer with clouds, after 10 a.m., milder overcast, and a little sleet at times. Even ^s very cloudy, damp & foggy, sleet showers in the night.	0.45
	-39	NW ₂ .	28			
Th. 16.	-13	NW ₄ .	34		Wind squally with hail at 8 a.m., afterwards bright with cold and gusty air. Continued bright with piercing wind & flying clouds. Cloudy & blowing night.	05
	-27	NE ₅ .	36			
		NE ₅ .	41			
F. 17.	-48	NE ₂ .	32		Cloudy, less wind, became clear after 9 a.m., bright sun, and very sharp wind. More cloud ^y from 4 p.m., thicker and damp Even ^s . Cloudy night.	
	-50	NE ₂ .	34			
		NE ₁ .	42			
S. 18.	-40	NE ₂ .	37		Lowering & little rain at times, fine after 10 a.m., but cloudy more or less, and milder. And a close and very dark Evening. Wind rose in the night.	04
	-32	NE ₁ .	38			
		W ₁ .	44			
Su. 19.	29.89	W ₅ .	36		Blowing with flying clouds & sun; stormy clouds in the afternoon, flying rain at times. A tremendous gale and storm of snow 4 p.m., & snow till 5. - Clear Even ^s , lightning E. -	
	-45	W ₇ .	38			
		NW ₈ .	46			
M. 20.	-30	NW ₃ .	27		Hard frost, sharp wind, and little snow at times, but of ten bright. A heavy storm of snow 4 p.m., but a clear Evening. Blowing & cloudy in the night, & less frost.	
	-45	NW ₄ .	29			
		W ₂ .	35½			
Tu. 21.	-70	W ₃ .	31		Cloudy, less frost, more or less cloudy all day, a little sun, & few snow flakes. - Cloudy & closer Evening, & wind much less. Storm of hail 8 p.m.	
	-88	NW ₂ .	34			
		NW ₁ .	38			

420.90
Mean 30.06

223 2855 Mean Temp 36° 32. Rain cal up - 57

February 1860.

Feb.	Baro- meter.	Wind.	Thermom. Lowest. 8 Highest.	Thermom. 8pm.	Notes.	Rain.
W. 22.	30.03	N ₁ .	3½		Snow & rain, early, but a fine sunny day, & sharp air, much cloud in rocky banks at a distance. Clear & frost at Eve. colder night.	07
	-14	E ₁ .	34			
		E ₀ .	40			
Th. 23.	-29	SE ₁ .	27		Sharp & white frost, and a very cold day throughout, keen wind & grey clouds. Very hard frost at Eve, with sharper wind.	
	-32	SE ₃ .	29			
		SE ₂ .	36			
F. 24.	-29	SW ₀ .	24		Severe frost, & bright morning, fine sunny day, grey clouds, & sharp wind. Hazy Evening, but continued frost.	
	-29	S ₂ .	25			
		SE ₁ .	36			
S. 25.	-22	SE ₁ .	25		Hazy & severe frost, very fine sunny day, & sharp wind. The Evening the same, but changed during the night.	
	-09	SE ₂ .	29			
		SE ₂ .	37			
Su. 26.	29.70	S ₄ .	31		Overcast, blowing, and raining morning. - Finer in the day, flying clouds & sun, but a little rain at times. Much rain from 6½ p.m.	12
	-23	SW ₂ .	36			
		SW ₂ .	47			
M. 27.	-16	SW ₃ .	38		Stormy morn ^g , little rain, cleared & wind veered 10 a.m., blowing all day, & hail in driving storms at times. furious gale all the Even ^s .	02
	-51	W ₃ .	39			
		NW ₇ .	44			
Tu. 28.	-54	SSE ₄ .	33		Squalls & snow with rain all the morn ^g , & wind changed again. Cleared off & warmer at noon, followed by a tremendous hurricane till 4 p.m. with much destruction.	32
	-19	SW ₃ .	33			
	-65	W ₉ .	50			
		NW ₇ .				
W. 29.	-95	NW ₃ .	32½		Clear & drying air, with a few rocky cumuli in the afternoon. - Sun set in heavy banks of cloud. - but a clear & frosty night.	
	30.17	NW ₂ .	34			
		NW ₁ .	46			

507.77
Mean 29.868

242 336 Mean Temp 36° 12. Rain, total 1.33

Summary of the Month of February 1860.

Barometer.		Thermometer.	
Highest on 13 th & 14 th —	30.63.	Highest on 28 th —	50.
Lowest on 27 th —	29.16	Lowest on 11 th —	21½.
Range —	1.47	Range —	28½
Mean of the Month —	30.03.	Mean daily range —	9.98.
		Mean of Month —	35.03

Rain 1.33 Inch. Fine days 10; Rain on 11 days; Snow on 8. — winds chiefly NW, & NE; — And severe gales on 6 days. —

This was a remarkable month, cold, coarse, rough, and turbulent throughout, and the Awful Wind on the 28th was beyond all for a vast number of years, with immense destruction. — Much sickness, and mortality in many parts of the Kingdom! A very notable winter here expires.

March 1860.

March.	Baro. meter.	Wind.	Thermom.		Weather, &c.	Thermom. 8pm.	notes.	Rain.
			lowest	highest				
Th. 1.	30.18 -14	S ₁ S ₂ SE ₂	28½ 30 46		Clear & hard white frost in the morn ^g , fine & bright day with cumuli & mixed clouds. Cloudy evening, and night, & stormy looking sky.	37	Δ♂♀ Electric Skies.	
F. 2.	-10 -09	SE ₄ S ₃ SW ₂	34 38 43		Cloudy, sed & hazy morning rainy & blowing from 12 till 2pm, afterwards fair & sunny. — Some rocky & electric clouds in the Even ^g about sunset.	37	night fair & frosty.	11
S. 3.	-17 -10	S ₃ SW ₃ SW ₂	30 35 48		Frost early, but soon changed to overcast & rain from 8 to 9½am, squally & thunder shower at 3pm. Clear moon-light Even ^g , some blue haze.	39	Thunder Storm 3pm.	19
Su. 4.	29.97 -82	SW ₁ W ₃ W ₃ NW ₄	34 36 49		Hard rain at 2 & 3 am; clear at sun-rise, but soon cloudy & so continued till 1pm, afterwards mostly fair and sunny. Clear & windy even ^g .	37	Δ♀♀ shower 3pm.	31 03
24057			1265	186	Mean Temp 39.06. — } Rain cal up 70			
Mean 30.07								

March 1860.

March.	Baro. meter.	Wind.	Thermom. 8 am. 8 pm.		Weather, &c.	Notes.	Rain.
M. 5.	30.17 -42	NW ₅ NW ₅ NW ₂	33 37 43		Cold, cloudy, & blowing morn ^g , snow & hail at times, but the day chiefly more fair, and a little sun at times. Fine even ^g , mostly clear, & less wind. Night frosty & clear.	Δ04	
Tu. 6.	-57 -38	NW ₁ W ₂ SW ₄	30 34 46		Clear & frost early, bright till noon, cloudy & hazy afternoon and a wet and blowing even ^g . Wind veered round after 12pm, & much rain during night.	Δ½δ wind very variable.	25
W. 7.	-15 -43	NE ₆ NE ₆ NE ₄	34 35 35		Hard rain & little snow early in the morn ^g , very cold and cloudy all day, hail at times, and piercing wind, but abating in the night.	Full moon ¼ before 1-p.m.	22
Th. 8.	-32 -23	NW ₂ N ₅ NE ₃	31 35 41		Clouds & some hail sun at times very piercing wind, and several squalls during the storm of hail. — Less wind in the night, sharp frost, & some hail.	*H♀	
F. 9.	-31 -21	NE ₂ NE ₁ NE ₁	28 31 34		Sharp frost, and hail at times with some snow: very cold, but sun at times. Keen frost at night, and very clear: wind nearly calm.	very keen air.	
S. 10.	-07 29.90	NW ₀ W ₁ SW ₂	25 28 37		Clear, & sharp white frost: continued bright till near 2pm — afterwards cloudy & thick, and a snowy evening from 5pm. and very snowy night.	snow from 5 p.m.	
Su. 11.	-76 -67	SW ₁ SE ₁ SE ₂	31 33 43		Fog below, clear upward: fine day, with sun, and rocky clouds. Hazy evening, and inclined to be frosty again.		
42259		212279		Mean Temp 35.07.) Rain cal over 117			
Mean 30.18							

March 1860.

March	Baro meter	Wind.	Thermometer lowest 8 highest	Weather, &c.	Thermometer 8pm.	notes.	Rain { 1.17
M. 12. 29.68	-6.4	SE ₁ SE ₂ SE ₂	33 35 42	Hazy & cloudy with sun gleam- ing, chiefly thick & hazy all day, and the evening more so. and continued cold winds. Night rainy at times.	37	Rainy night.	.22
Tu. 13. -54	-6.7	W ₁ NW ₂ NW ₁ W ₁	33 35 46	Clearer, mostly bright till 3 pm. afterwards heavy rocky clouds & stormy sky. Starlight night, & brilliant meteors ran from S to N, across the zenith.	39	Large me- teor ran to N, at 9 1/2 pm.	
W. 14. -62	-5.6	SW ₂ W ₁ SW ₁	33 37 46	Cloudy & hazy morn'g, but a pleasant day, often bright, but many rocky & towering clouds, highly electric; Dark clouds all the evening, & thick sky; rain at 8 pm.	40	moon last 2 or 9.8 a.m.	.01
Th. 15. -82	-9.3	NW ₃ NW ₂ SW ₁	28 32 45	Clear & frost early, keen wind but chiefly bright till 3 pm, afterwards more cloudy, and a stormy looking sky, wind rising all night.	40		
F. 16. -96	30.19	W ₄ NW ₃ NW ₂ S 1/2	35 38 46 1/2	Blowing, & some rain early a.m.; but fine in the day, bright sun, and very rocky clouds. Mild & hazy evening, and the wind ceased & changed. Close night, & little rain.	41	□ 0 8 □ 4 8 wind & rain at 3 a.m.	.11
S. 17. -72	-14	SW ₂ W ₃ SW ₂ 4.5.	38 43 57	Overcast, gentle rain till 8 a.m., slowly cleared off, and fair and mild day, grey clouds & sun, very red sunset, & bands of gold & crimson in West. Very close & windy night.	50	very mild and the night very windy.	.05
Su. 18. -06	-0.9	SW ₄ W ₃ W ₃ 2.1.	45 50 55	Red East, mild & cloudy morn'g; fine bright, pleasant, and dry- ing day, electric arcs of cloud from SW to NE. - Clear yellow sunset, and clear evening.	45	Crocus in flower.	
41.8.02			24.5 33.7 5	Mean Temp 41°.60.) Rain cald up = 1.56			
Mean 29.85							

March 1860.

March	Baro meter	Wind.	Thermom ^r lowest 8 highest	Weather, &c.	Thermometer 8pm.	notes.	Rain { 1.56
M. 19. 30.20	-18	SW ₂ W ₄ SW ₄	37 42 55	Clear & drying air, chiefly sun till noon, afterwards cloudy & windy, but fine and very parching. Cloudy & blowing evening and night.	48		
Tu. 20. -0.9	29.90	SW ₃ SW ₆ SW ₅	42 46 54	Windy & scuds flying, very blow- ing day, & little flying rain at times, but chiefly fair; Evening & night, less wind, but much rain followed at 12 pm.	47	much rain after mid- night.	
W. 21. -70	-4.3	SW ₂ SW ₄ W ₃	41 46 49	Much hard rain from 1 to 7 a.m. at times, squally day, rain at intervals, heavy storm 2 1/2 pm. from SW, & from NW. 3 1/2 pm. and a turbulent evening.	38	Hard rain early a.m. & storms during the day.	.53 .24 .04
Th. 22. -80	-9.6	SW ₂ W ₅ W ₂	33 39 46	Clear morn'g, followed by heavy showers of hail, and sun be- tween, with very rocky clouds. Much Thunder Northward - p.m. Fine evening, & partially clear.	37	new moon. 1.56 pm. Thunder in North 3 1/2 pm.	.07
F. 23. 83	-2.2	S ₄ S ₅ S ₈	33 38 46 1/2	Hazy & change to stormy again blowing and lowering all day some rain at times; and wind became a violent gale with much rain at eve, the night finer, & less wind.	41	Furious gale & rain all the evening.	.27
S. 24. -12	-0.4	SW ₂ WSW ₆ SW ₇ W ₅	35 37 45 1/2	Exceedingly stormy, blowing & cold, hail at times, and sun between. - Very wet and windy evening, and the night nearly the same.	42	* 4 8 very cold & squally.	.08
Su. 25. -10	-5.4	NW ₅ NW ₃ NW ₂	36 37 46	Cloudy, & windy with little rain at times, in the morn'g, and flying storms of hail in the afternoon. - Finer & less wind at eve. - Night fine.	40	* 0 8 very stormy.	.05
41.5.11			25.7 34.2	Mean Temp 42°.78.) Rain cald over 2.84			
Mean 29.65							

March 1860.

March.	Baro. meter.	Wind.	Thermom. lowest, 8 am.	Thermom. highest, 8 pm.	Weather, &c.	Notes.	Rain. 2.84
M. 26.	29.67	NW ₂ NW ₃ N ₁	34 39 46		Clouds & sun, with chilly wind, some sleet and rain at times. Evening nearly calm, chiefly clear, and frosty air, but changed in the night. —	34	03
Tu. 27.	70	SW ₄ W ₃ WNW ₂ SW ₁	33 39 48		Cloudy, rain, & windy morning but fine after 8 am, sun at times, and rocky clouds. Cloudy & closer evening, and very little wind, clouds knotty. —	40	03
W. 28.	72	W ₄ W ₃ SW ₂	40 48 55		Little rain very early, but a bright morning after 7, fair and milder day, clouds & sun till 5 pm, but a rainy evening, and very close night. —	49	04
Th. 29.	68	SW ₃ WSW ₃ W ₂	47 50 59		Overcast, mild, & wet morn'g. Showery day, rocky clouds, & sun at times. Heavy showers hail & thunder 4 & 5 pm. — Night fine, and clearer. —	47	15
F. 30.	87	NE ₂ SE ₃ SE ₃	40 44 52		Hazy, calm morn'g, and some sun most of the forenoon, afterwards cloudy, cold, & more wind. Lowering evening, some rain at 8 pm, milder night. —	43	04
S. 31.	47 28.92	S ₃ S ₄ SSW ₄	43 48 51		Cloudy, followed by rain from 11 am; very wet and blowing afternoon. till 5 pm, then cleared off, but a stormy night, yet very mild & finer than the day. —	46	19
355.84		237/312		Mean Temp 45.75. Rain total —			3.56

Mean 29.65	Highest on 6 th — 30.57	Thermom.	Highest on 29 th — 59.2
Barom.	Lowest on 31 st — 28.92		Lowest on 10 th — 25
	Range — 1.65		range — 34.2
	Mean of month — 29.87		Mean daily range — 12.22
Gales on five days this month. —			
Mean of month — 40.87			

Winds chiefly SW to NW; fine days only 9; Rain 3.56. Inches.

This was a remarkably wet, cold, stormy, and unhealthy month, and a bad seed-time. — Little progress in vegetation, and great prevalence of *Cynanchus Maligna*, with sudden deaths from it.

APRIL 1860.

April.	Baro. meter	Wind.	Thermom. lowest, 9 am.	Thermom. highest, 8 pm.	Weather, &c.	notes.	Rain.
Su. 1.	29.10	SW ₅ SW ₆ WSW ₄ W ₂	45 49 56½		Windy, flying clouds, & sun, but warmer & less wind from 12 to 3. Then squally, distant showers, & thunder; few drops of rain here. Evening clear, wind nearly gone, but more in the night. —	Distant thunder showers 3½ to 4 pm.	03
M. 2.	25	SW ₄ SW ₄ W ₅	40 45 47		Clear, & bleak wind in the morning — but thick & cloudy from 10 o'clock, and very wet & squally at noon, followed by storms of hail, & a blowing evening. — till 9, then much calmer.	cold & squally.	12
Tu. 3.	53	SW ₂ W ₄ W ₂ SW ₂	35 42 52		Clear morn'g, fine forenoon, but some clouds, squalls & showers in the afternoon, sun at times. Fine evening, and more settled. Clear & serene night, little frosty. —	Still very cold & squally.	04
W. 4.	92	SE ₁ SE ₁ E ₂	33 47 58		Clear, & a very fine sunny day, pale haze, & few small clouds. — Warm in the day, but chilly breeze in the evening. — Fine night, bright moon & fresh breeze. —	The white, yellow & peacock butterflies appeared.	
Th. 5.	30.00	NE ₃ NE ₄ NE ₂	38 48 54		Bright with grey haze, & parching wind. Very fine drying day, & scarcely any cloud, but some at sunset. — Moon very red but clear during evens. —	☐☉4 Full-moon 10 pm.	
F. 6. Good-Friday.	00	NE ₂ SE ₁ S ₁	41 49 60		Cloudy morn'g, but cleared off at noon, warm, bright, and pleasant afternoon, and close and hazy evening. — Some fog in the night, & no wind. —	A fine spring day.	
S. 7.	30.01	Var. o. W ₁ SW ₁ SW ₂	37 50 64		Fog till 7, very fine warm, and bright day, gentle wind, & a few light clouds. — Lovely evening, sun set red in haze. — Night more hazy, & calm. —	Very fine & warm. wrymuck head & seen.	
416.04		269/391.5		(Mean Temp 47.178.) Rain cal. over — 0.19			
Mean 29.71.							

APRIL 1860.

April.	Baro. meter.	Wind.	Thermometer Lowest 9 Highest	Weather, &c.	Thermom. 8 pm.	Notes	Rain. 0.19
Su. 8.	29.94 -64	SW ₂ SW ₄ SW ₃	40 51 58	Bright at first, red sun-rise, & lovely morn'g, clouds & wind from S. & W. most of the day, but fine & sun at times. Evening cloudy & rather windy, but not cold. - Some rain near midnight. -	53	Δ ○ ♀ □ ♀ ♂ windy night.	03
Mo. 9.	-64 -66	W ₅ W ₆ W ₃	38 46 48	Clear & bleak wind, but clouds followed, and storms of hail & rain with squalls of wind, and sun between. Evening finer, clearer, and less wind. Brilliant Aurora at 9 & 10 pm. -	42	equally rough. Heaviest storm 6 pm. Aurora bright 7 pm.	10
Tu. 10.	-77 30.07	NW ₂ WNW ₂ NW ₁	32 42 47½	Very clear, cold morn'g, clouds & sun in the day, distant falls of sleet & hail, & a little here. Very cold Evening, chiefly clear and less wind. Frosty night. -	38		
W. 11.	-24 -28	NW ₁ NW ₂ SE ₂	30 43 48	Grey clouds & sun, keen air, but fine, nearly calm in the afternoon, but wind veered at 6 pm to SE, with a cloudy Evening, and part of the night. -	41		
Th. 12.	-22 -21	S _½ SE ₂ SE ₂	37 49 49	Light clouds & sun, pleasant till after 9, then dark electric groups, hazy & colder again, with very little sun. - Night chiefly cloudy, & hazy. -	41	♂ ♂ ♀	
F. 13.	-13 -19	SE ₂ SE ₃ E ₁	37 46 51	Very cloudy, hazy, & cold, with a little rain at times; but clearer in the afternoon, and evening, with less wind, but more cloudy after midnight. -	42	* ♀ ♀ moon last Dr. 1.34 a.m.	02
S. 14.	-31 -32	NE ₂ NE ₁ NE ₁	33 40 43	Cloudy, little wet, & the whole day, cold, gloomy & rain at times. Evening rather clearer and more fair, but very cold. -	39		10
42.062		24753443		Mean Temp 42° 28.		Rain cald up 0.44	
Mean 30.04.							

APRIL 1860.

April.	Baro. meter.	Wind.	Thermom. lowest 9 a.m.	Thermom. highest	Weather, &c.	Thermom. 8 p.m.	Notes.	Rain.
Su. 15.	30.34	NE ₂	36		Cloudy, little rain early a.m.; continued cloudy but fine the afternoon bright at times & rather electric. Evening very cloudy, but fair, and the same all night.		Hawthorn leaf.	0.44
	-41	NE ₂	46	53		44		
Mo. 16.	-42	NE ₂	41		Foggy till 7 a.m.; then cleared off to a bright & parching day, warm sun, & brisk & cool wind. — Clear night, aurora bright, & fresh breeze. —		very parching air.	
	-41	E ₃	51	59½		43	Horse-chestnut leaf.	
Tu. 17.	-40	E ₃	36		Clear, & parching breeze, chiefly bright till noon, some clouds & more winds in the afternoon. but chiefly clear again after 4 p.m. Breeze all night. —		continued parching weather.	
	-31	E ₄	51	55		41		
W. 18.	-18	NE ₃	38		Electric knotty clouds, & sun, in the morn., soon very windy, with flying clouds, & sun between.		very blowing & rough.	
	-20	N ₆	50	54	From 4 p.m. very cloudy, and blowing hard all night. —	40	sleet & hail dur. 3 night.	
Th. 19.	-13	N ₆	34		Blowing with showers of sleet at times; very cold & squally. Dark & cloudy in general, but less wind after 12 noon. — Some sleet during the night. —	37	Storm of sleet at 1 a.m., & more in the day.	
	-12	N ₅	42	44				
F. 20.	29.96	NW ₂	35		Sleet & snow early, but less wind frequent squalls with much hail in the day, & sun between. Evening finer, and wind nearly calm: — frosty night & some snow.	38	very squally with hail at times.	03
	-92	NW ₃	44	47			snow in the night.	
S. 21.	-80	NW ₂	31		Very cold squally & snowy early a.m.; and frequent hail, & snow in sudden squalls, with sun at times. Some rain also in the storm. Evening fine, and a frosty night. —	37	new moon 5.45 a.m. Redstart seen.	05
	-88	NW ₂	40	45				
		NW ₁						
42238			251	3575	Mean Temp 43° 46' 4. — Rain cal over — 0.55			
Mean 30.17.								

APRIL 1860.

Ap.	April.	Baro. meter.	Wind.	Thermometer Lowest 9 am. Highest.	Weather, &c.	Thermometer 8 pm.	Notes.	Rain
Su	Su. 22.	29.90	NW ₁ NW ₁ W ₂	29 44 51	Clear, & frost early; fair, with sun, & mixed clouds till 1 pm, then some sleet showers passing near, but chiefly fine here. Dark & rainy from 5 1/2 to 6 1/2 pm. & much snow & rain during night.	38	Cowslip flowers, in spite of cold.	0.55
M	M. 23.	-84	SW ₁ Var. SE ₂	32 40 48	Cloudy, snow & rain early, and showery with sleet & rain in the day, and sun between. Cloudy evening, and rain at times, more or less, in the night.	41	Especially changeable, and unsettled weather.	10
Tu	Tu. 24.	-87	NE ₂ NE ₃ NE ₄	35 40 47	Dark, and dripping morning fine after 10 am, many clouds and more wind, but some sun at times in the afternoon. Even cloudy, windy, and little rain. Fine night, but windy.	42	* 1/2 ♀	16
W	W. 25.	30.03	NE ₅ NE ₄ NE ₄	38 47 52	Blowing hard, with sun, & flying clouds; chiefly clear in the afternoon, but very blowing & cold. Cloudy evening, and still windy, but not so blowing as before.	43	freezing very black air.	
Th	Th. 26.	-24	NE ₃ NE ₃ NE ₂	40 50 51	Cloudy, with some sun at times, less wind, but still chilly and parching. rather more electric upward, but chiefly as before and Evening the same.	41		
F	F. 27.	-32	NE ₁ N ₂ NE ₂	37 47 50	Clear at first, & very little wind, fine day, much grey cloud, & little sun, with cold breeze. Evening and night chiefly clear, and but little wind, but no positive frost as electricity prevails.	43		84.8
S	S. 28.	-38	NE ₁ ENE ₁ E ₁ E _{1/2}	35 48 56	Rocky clouds with sun, very fine & chiefly bright after 11 am, clouds smaller & fewer. Clear evening & nearly calm. Very fine night. Fog after 12 pm.	45	moon 1 st 2 nd 3.36 pm. Cuckoo sang.	
		42.136		246.355	Mean Temp 42° 9.28.			Rain cal ^d up = 1.03

APRIL 1860.

April.	Baro. meter.	Wind.	Thermom. Lowest 9 am. Highest.	Weather, &c.	Thermom. 8 pm.	Notes.	Rain
Su. 29.	30.50	SE ₁ SE ₂ SE ₂	34 51 63	Fog early, & till 8 am, then bright all day, very fine, and warm. Hazy clouds in an Arc. from SW, in the evening. Night calm & clearer.	49		1.03
M. 30.	-52	E _{1/2} E ₁ E ₁	38 54 65 1/2	Calm; electric & hazy morn ^g bright and very warm day, with light clouds, in different currents. Clear sunset, & the night clear, with an electric breeze.	53	Close, & electric. Nightingale sings.	
	-56						
	122.10		72 128.5	Mean of last 2 days - 50° 12.5		Total rain -	1.03

Hard gales prevailed on 4 days this month.

Barometer -
Highest on the 30th - 30.56
Lowest on the 1st - 29.10
Range - 1.46
Mean of the Month 30.04

Thermometer -
Highest on 30th - 65° 5.
Lowest on 22nd morn^g - 29° 0.
Range - 36° 5.
Mean daily range - 16° 38.
Mean of the month 44° 34.

Winds chiefly NE, SE, & from SW to NW. Rain 1.03 Inch. Fine days 16.
Gales on four days.

This was a very backward month, ungenial, cold, and cloudy for the greater part, yet no considerable downfall. There was much sickness, both in Town and country, and more deaths than usual in London. Very little progress of vegetation, and up to this period the latest spring for five years past; but the drying winds gave an opportunity for finishing the Spring seeding on the lands.

MAY 1860.

May	Baro. meter	Wind.	Thermometer 9 am	Thermometer 8 pm.	Weather, &c.	notes.	Rain
Tu. 1.	30.52	NE ₂ 40			Clear and parching breeze all day, warm & seasonable, but the wind very brisk, and colder after 3 pm. very clear sunset, clear & bleak evening. —	Sycamore in leaf	
	-41	NE ₄	59	64			
W. 2.	-31	ENE ₃ 42			Clear, & brisk parching wind, very warm in full sun, but cool in the wind. Some small electric clouds very distant, but evening & night chiefly clear, and brisk wind. —	willow leaf.	
	-26	NE ₄	58	62			
Th. 3.	-30	NE ₃ 42			Bright with flying clouds; very fine, but cool in the shade. Evening cloudy, and cold wind but less wind during the night. & grey haze came on. —	very parching these three days.	
	-38	NE ₂	55	58			
F. 4.	-36	Var. o. 39			Grey haze & cloudy morn'g, but from 8 am. bright, and continued so & no cloud all day, and a very hot afternoon. — Sun set. in dusky plane clouds. After midnight it became cloudy, and we awoke. —	great increase of heat since 9 a.m. — cuckoo singt.	
	-28	W. o. 54	54	70			
S. 5.	-30	ENE ₂ 41			More wind from 3 am, cloudy morn'g, and more or less so all day, very little sun, and cool wind. Evening very cloudy, and cool, but a fine night. —	Δ h 8 Full moon 7.2 a.m.	
	-30	NE ₃	52	55			
Su. 6.	-31	NE ₁ 39			Cloudy morning & cold & gloomy till after 10 am: — afterwards mostly bright with light clouds, but a very cool breeze. — Evening quite clear & frosty night. —	□ 4 8	
	-22	E ₁	48	58			
M. 7.	-07	SE ₂ 31			Frost early, but soon warmer bright sun, with cumule clouds, and some electric beds of dappled sky in the afternoon, all from SW in upper current. —	□ 8 8	
	29.86	SE ₂	54	61			
	42.388	SE ₁	61				
Mean 30.27. —			274	428	Mean Temp 50° 14. Rain cal' up — none.		
			(702)				

MAY 1860.

May	Baro. meter	Wind.	Thermometer 9 am	Thermometer 8 pm.	Weather, &c.	notes.	Rain.
Tu. 8.	29.68	SW ₂ 45			Cloudy, gentle rain from 6 am at times, till 9 am. Warm and sunny afternoon, electric rocky clouds, and brisk wind. Evening more clouded, — and a very close night. —	warm & close. cherry bloomed.	.02
	-70	SW ₄	54	66			
W. 9.	-72	SW ₂ 50			Very close morn'g, hot sun, and soft breezes with many electric clouds till noon, more clouds, & little rain, & squally wind after 1 pm. Sun set. red in a grey haze. — Clear night. —	□ o h Poplar leaf.	.03
	-95	SW ₄	62	66			
Th. 10.	30.02	SW ₁ 38			Clear morn'g, close & much warmer after 8, lowering day, little rain at times, & sultry air in the afternoon. Evening also very cloudy & electric, and some showers. —	very sultry night.	.05
	29.96	S ₃	60	64			
F. 11.	-90	SSE ₂			Very sultry, lowering till noon, and little rain at times. —	* 0 4	.03
	-90	S ₂ 56			Bright & hot afternoon, with rocky clouds, & brisk wind. Another gentle rain 5 pm. Warm and growing night. —		.02
		SW ₂	63	69 1/2			
S. 12.	-92	SW ₂ 53			Clouds & sun, with hazy sky very hot, close, and sultry day throughout. Very thick from 4 pm, & gentle rain in the evening, continual rain all night. —	moon last 2d 7.16 pm. Had rain all night.	
	-82	S ₁	66	72			
Su. 13.	-73	W ₂ 54			Continual hard rain all night past, and till 6 this morn'g, & again from 7 am, & more or less the whole day, but fine evening, and clouds breaking off to a foggy night. —	great fall of rain.	2.06
	-94	NW ₂	56	59			
M. 14.	30.03	W ₂			Fog till 8, then close & cloudy more or less, and very little sun. — Evening quite cloudy, and rather inclined to fog. — The night the same. —	Δ o 8	
	-01	NE ₁ 49	56	60			
		SE ₂					
		SE ₂					
418.48			345	456.5	Mean Temp 57° 25. Rain cal' over 2.25		
Mean 29.89. —			(801.5)				

MAY 1860.

May.	Baro. meter.	Wind.	Thermom. 9 highest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain. 2.25
Tu. 15.	30.00 -02	SE ₁ SE ₁ SE ₂	49 57 70	Very foggy till 9 am, hot sun, & many electric clouds followed, some in a SW current, & other of passing currents. - Severe thunder-storm 9 pm, & vivid lightning, passing to the NW & N.		very severe thunder, & lightning 8 & 9 pm.	13
W. 16.	-04 29.99	SW ₂ SW ₂ S ₂ S by E ₂	51 60 63	Bright at first, but soon lowering and close, with little rain at times, & gleams of sun; fine Evens, but chiefly cloudy and close. - The night the same. -	56		05
Th. 17.	-84 -74	SE ₂ S ₄ SW ₂ SW ₁	51 56 60	Overcast & very wet at times, sultry, close, & rather windy in the day, less wind and more rain in the Evening. - Night finer and hazy more or less. -	57	Maple leaf.	09
F. 18.	-69 -52	SE ₂ SE ₂ S ₁ S ₁	47 58 71	Hazy but bright at first, then cloudy but from 11 till 3. - hot sun, & much electric cloud. - Heavy thunder-storm at 3 1/2 pm, rose from SW, across the under current. - Evening thick, & showery. - Finer night. -	58	Heavy thunder-storm 3 1/2 pm.	28 13
S. 19.	-76 30.08	W ₁ W ₁ SE ₁	50 61 68	Very fine and warm, chiefly bright, with rocky clouds, & gentle breeze. - Hazy & electric Evens, mist on the valleys, and fine serene night. -	59	Oak, & ash leaf	
Su. 20.	-25 -40	E ₂ NE ₂ NE ₂	46 65 70	Fog till near 6 am, then very bright, and hot sun, with a few light clouds, and pleasant breeze. - Calm & hazy Evens, very soft air & electric cirri. - Dewy night. -	61	new moon 6. 46 pm. great summer day.	
M. 21.	-46 -49	NE ₂ E ₁ SE ₂	48 66 75	Clear, very bright and hot, and very little or no wind: Evens slightly hazy, and wind to SE. from 3 1/2 pm. - Serene night, and rather hazy. -	63	Splendid day. - Elm in leaf.	
420.28		342.477		Mean Temp 58° 5. -) Rain cald up 3.13			
Mean 30.00.)		(819)					

MAY 1860.

May.	Baro. meter.	Wind.	Thermom.	Weather, &c.	Thermom. 8 pm.	Notes.	Rain. 3.13
Tu. 22.	30.42 -30	SE ₁ S ₂ SW ₂ SE ₁	49 67 74	Dappled & hazy morn, very hot & close, but more or less hazy all day. Electric clouds in dappled lines in the Evening, & still hazy. -	62	* ♀ ♀	
W. 23.	-17 -01	SW ₂ S ₁ SW ₂	51 67 73	Mixed electric clouds, & hot, fine growing day, and mostly bright, but hazy and many very electric clouds. - Large drops of rain 1 pm - a few minutes. - 8 at 9 pm. -	66	close & electric, squall of wind at 9 pm. -	
Th. 24.	-01 -18	W ₃ W ₂ W ₂	54 66 72	Warm & breezy morn, with grey clouds; cooler forenoon, and rocky clouds. - Hot afternoon bright with smaller cumuli. - Lovely & serene Evens. -	63	Haw-thorn in flower, these 2 days.	
F. 25.	-10 29.90	SW ₁ S ₂ SW ₂	50 65 67 1/2	Close, dappled & hazy, but fine warm & pleasant day, more cloudy all the Evening, and a little rain at 8 pm, and at times during the night. -	60	□ ♀ ♀	12
S. 26.	-65 -47	SW ₃ SW ₂ W ₂ W ₆	53 61 63	Frequent heavy showers, & much thunder, & lightning all round in the afternoon and a blowing and wet Evening. Windy night. -	54	* 4 ♀ Heavy thunder-storms	45 12
Su. 27.	-71 -92	W ₆ W ₅ W ₂	46 52 59	Very windy with flying clouds, and sun, cool and boisterous day. - Less wind after 2 pm, and became gentle in the Evens, but a threatening sky. -	54	moon 1 st 2 or 3. 4 pm.	
M. 28.	-41 -81	SW ₆ W ₇ W ₇ W by N ₄	45 45 53	Strong gusts of wind, & rain at 5 am; finer after 8, but very strong gale & colder, with flying clouds & sun. Little flying storms of rain in the afternoon: less wind at Eve. -	46	♂ ☉ ☿ lowest temperature at 9 am! -	22 03
419.06		348.482		Mean Temp 59° 28.) Rain cald over 4.07			
Mean 29.93)		(830)					

MAY 1860.

May.	Baro. meter	Wind.	Thermom. Lowest	9 a.m.	highest.	Weather, &c.	Thermometer 8 p.m.	Notes.	Rain.
Tu. 29.	30.08	W ₄ .	41			Windy with mixed clouds, & sun. rather less wind in the afternoon and abating all the Evenng. Sun set. nearly clear, & very fine night.		Δ 8 8	4.04
	-10	W ₃ .		52					
		W ₁ .			57				
W. 30.	-02	W ₂ .	47			Flying clouds & sun. Slight rain at 2 & 3 p.m., but again fair with sun, & mixed clouds. Bright & serene at sun-set. - Some fog during night.	52		
	-02	WNW ₂		55					05
		W ₁ .			61				
Th. 31.	29.95	SW ₁ .	43			Fog early, close with mixed clouds & sun till 2 p.m., then lowering & some rain at times, and so continued all the Even- ing, and part of the night.	55	64 9	15
	-80	SE ₂ .		58					
		SE ₃ .			63				
179.97			131	181		Mean Temp 3 days 52°.		Rain - 4.27	
			(312)						

Barometer.		Thermometer.	
Highest on 1 st	30.52.	Highest on the 21 st	75°.
Lowest on 28 th	29.41.	Lowest on 7 th a.m.	31°
Range	1.11	Range	44
Mean of month	30.02	Mean daily range	18.2
		Mean of month	55° 81.

Winds chiefly W. S.E. & S.W. hard gales on 3 days. - Fine days 18.
Rain 4.27 Inches. -

This was a very seasonable and growing month, with a copious fall of rain, and hot sunshine intermixed; the mean temperature rather above general average, and consequently a very forcing time for Vegetation, so that all nature became hastily clad, and more than made up its lost time.

JUNE 1860.

June.	Baro. meter	Wind.	Thermom. last 9 am	highest	Weather, &c.	Thermom. 8pm.	Notes.	Rain.
F. 1.	29.72 -85	SW ₃ . SW ₂ . SW ₁ .	51 60 69		Flying clouds & sun; fine bright & pleasant day, and clouds more Electric in the afternoon. Hazy Even, and more electric. —	61		
S. 2.	77 -38	S ₁ . SE ₅ . SE ₆ . SSE ₆ .	52 61 61		Hazy & Electric, and became very cloudy at 11am, followed by continual hard rain till 5pm, then bright with heavy gale & flying clouds. Blow & night.	55		67
Su. 3.	49 -64	S ₅ . S ₄ . SW ₂ .	51 55 60		Blowing hard, with rain at times, less wind in the afternoon, little showers, & sun between. Fine Even, cloudy & less wind. — and a fine night.	56	♂ H ♀ Full moon 14. 45 pm.	08 05
M. 4.	72 -84	SW ₂ . SW ₃ . W ₁ .	49 59 63		Clouds & sun, some flying showers, but mostly bright with a fresh breeze. — Wasty shower 8pm, with thunder after it passed. —	57	Thunder in N.E. 8 1/2 pm.	14
Tu. 5.	90 -99	W ₂ . SW ₂ . SW ₃ . SW ₁ .	47 57 62 1/2		Many mixed clouds, and sun at times, cool breezes, and a trifling rain in small showers, fine Evening, chiefly bright, and a cool air; cloudy about horizon & most in N.E. —	55		02
W. 6.	30.00 29.90	SE ₂ . S ₂ . SW ₁ .	46 56 60		Cloudy, lowering morning, rain about noon, and very heavy thunderstorm 1 1/2 pm, more in the S. & NW, afterwards more fair, but a damp state of air, & unsettled skies.	53	very heavy thunder-hail & rain-pm.	40
Th. 7.	92 -84	SW ₂ . SW ₄ . S ₄ . SW ₂ .	48 55 60		Cloudy more or less, all the forenoon; some sun in the afternoon, but cool breezes & much cloud. — Lowering Even, sudden squall from S. at 7, then cleared off. —	51		
416.96		3444355		Mean Temp 55.67.) Rain cal ^d over — 1.36				
		(779.5.)						

JUNE 1860.

June	Baro. inches	Wind.	Thermom. 9 ^h highest	Thermom. 8pm.	notes	Rain. inches
F. 8.	29.94	SW ₂ SW ₃ SW ₁	43 56 65		Cloudy morn'g, but fair and sun at times all the middle of the day, showers at a distance North & South. Evening and night cloudy & closer. —	1.36
S. 9.	29.95	SW ₀ SE ₁ NE ₁	49 56 59		Cloudy, rain at 8 am, and continued more or less all the day, and harder in the afternoon. The Evening nearly the same. Night finer. —	70
Su. 10.	29.73	NW ₁ W ₂ W ₂ W	49 57 62		Clouds & sun, more clouded from 11 till 12, but a bright & pleasant afternoon till 3 pm. Heavy thunder storm South, & NW. at 7 pm, & heavy shower here	20
M. 11.	29.78	W ₁ SW ₁ SW ₁ S ₁	46 59 65		Bright morn'g, and mostly so till 4 pm, with some clouds, more cloudy in the Evening & a very little rain at 6. — afterwards fair & clearer. —	02
Tu. 12.	29.82	SE ₂ SE ₂ S ₃ SW ₂	51 66 66		Close morn'g, electric clouds, and sun till 10 am, then cloudy, with rain till 5 pm, and at times very hard. Fine & clearer Evening. — Clear orange sunset, and fine night. —	56
W. 13.	29.70	SW ₄ SW ₄ SW ₁	51 60 66		Very fine, & chiefly bright, with light clouds flying, and very brisk wind. Evening bright, and less wind. Very fine night, and mostly clear. —	58
Th. 14.	29.87	SW ₂ SW ₃ SW ₁	47 58 67		Bright and warm, with flying clouds, & brisk air, and a serene Evening, with a very brilliant sunset. — Clear and heavy dew at night. —	56
41678		3364508		Mean Temp 56° 178.) Rain cald up - 2.84		
		(7865)				

JUNE 1860.

June	Baro. inches	Wind.	Thermom. 9 ^h highest	Thermom. 8pm.	notes	Rain. inches
F. 15.	29.87	SW ₁ SSE ₂ SE ₂	47 61 66		Bright with very rocky clouds, some little showers at a distance, & a very little rain here at 1 & 3 pm. Bright Evening, but some storm clouds very distant in NW. —	57
S. 16.	29.85	SE ₁ ESE ₂ E ₂	48 65 70		Very bright & hot, with electric clouds all the morn'g, & continued bright till 5 pm, afterwards hazy, more cloudy & electric, followed by rain after midnight. —	59
Su. 17.	29.70	NE ₃ E ₂ E ₁	53 56 57		Low clouds, & hard rain at times all the morn'g from before 4 am, till 9 am, afterwards more fair, but much cloud, & little showers about. Very cloudy night & rain at times but wind changed. —	48
M. 18.	29.82	W ₂ W ₂ NW ₀	52 56 61		Rain early & till 6 am, afterwards fine, but cloudy, more or less; more sun after 2 pm, and a bright & calm Evening. — Sun set purple in dusky haze. — Fog dur's night. —	37
Tu. 19.	29.77	E ₀ SE ₁ SE ₂	44 58 61		Fog early, then Electric & closer, more or less cloudy all the day, little gleams of sun, and gentle wind. — Cloudy Evening, and little rain at times. —	05
W. 20.	29.81	SW ₁ SSW ₂ S ₁ Var. ₀	54 63 70		Sultry morn'g; close day, rocky & electric clouds, with sun, some showers at a distance, and thunder in SW, most of the Evening. Hazy & very close night. —	64
Th. 21.	29.88	SW ₁ SW ₁ W ₂	54 62 69		Hazy & cloudy morn'g, lowering & little rain at 10 am, then clearer, very close, and sun at times; severe thunder storm passed near at 5 pm. Some rain, then a bright Evening till 7 pm; thunder storm in SW. 8 pm	04
41803		352454		Mean Temp 57° 571.) Rain cald over - 3.78		
		(806)				

JUNE 1860.

June	Baro. meter	Wind.	Thermom. low 9 high	Weather, &c.	Thermom. 8 pm	Notes.	Rain.
F. 22.	30.11	W ₁ SW ₂ SW ₂	54 62	Grey clouds, & sun in the morn'g and a fine, & hot day, cumuli clouds, and sun chiefly bright. Hazy Evening, and very warm breeze. The same all night.	62	A very fine summer day.	3.78
S. 23.	-05	S ₄ SSW ₃ SW ₃ 2-1.	56 65	Very warm gusts of wind with low clouds in the morn'g, passed off at 7 with a short mistle, then bright and hot with flying clouds, & brisk wind. - Sultry Even'g & cloudy. - Very close night.	66	very sultry, and close.	
Su. 24.	-15	SSE ₂ S ₁ S ₂	59 65	Sultry, calm, & misting air at first, clouds & hot. Sun from 9 till 11 1/2 am. Heavy showers at noon fine & sultry afternoon, & Even'g & much haze, with electric clouds.	67	very close air, and more so at eve.	18
Mo. 25.	29.99	S ₂ S ₃ SSW ₅ SW ₄	57 64	Hazy & close, with Electric cirri, became overcast & hard rain from 10 till 12, afterwards bright with flying clouds, & wind gusty. A turbid sky at Eve, & 2 Perihelia.	62		17
Tu. 26.	-95	SW ₁ W ₂ SW ₂ SW ₃	52 60	Rain from 4 pm, till 7 am, then cleared off, bright and hot afternoon, but electric & rocky. - Squally shower passing the S. at 8 pm: afterwards less wind.	64	moon 1 st Dr. 6 1/2 am.	22
W. 27.	-09	SW ₃ SW ₂ SSW ₁	53 60	Cloudy, and stormy sky, with little rain at times in the middle of the day; more fair after 3 pm, but cloudy, and more Electric all the Even'g, with darker clouds.	62		08
Th. 28.	-35	SW ₃ SW ₅ SW ₄	54 63	Bright & breezy morn'g; warm day, & mostly bright, but galy, & little flying showers in the afternoon, more at a distance. Dark clouds at Eve, and a heavy shower at 10 pm.	62	very squally.	03
420'25			3864/95	Mean Temp 61° 82.) Rain cat up 4.55			
				(865.5)			

JUNE 1860.

June	Baro. meter	Wind.	Thermom. low 9 high	Weather, &c.	Thermom. 8 pm	Notes.	Rain.
F. 29.	29.87	SW ₃ W ₂ NW ₂	52 60 64	Flying clouds, with sun, & brisk wind. very electric & rocky at 10, followed by much thunder, hail, & rain till near 1 pm, & more at a distance. Fine & sunny after 2, but from 6 pm heavy rain thunder & lightning.	56	Severe Storms of rain & thunder. at 12 noon 56 1/2 pm	33
S. 30.	-20	NW ₂ NNW ₃ N ₂	49 54 56	Exceedingly cool, and cloudy, with a fresh breeze, & at times a little wet. Evening clearer, & sun set clear, except linear cirri.	52		03
120'43			101/120	221) Mean Temp 2 days 55° 25.)		Rain -	5.20

Results.

Barometer.	Thermometer.
Highest on 30 th — 30.36	Highest on the 23 rd — 73°
Lowest on 2 nd — 29.38	Lowest on the 8 th morn'g — 43°
Month's range — 0.98	The month's range — 30°
Mean of Month — 29.87.	Mean daily range — 13° 68
	Mean of month — 57° 64.

Winds chiefly SW, a gale on 1 day; Fine days 11 only, and the depth of rain 5.20 Inches!

This month was remarkably wet, and its temperature below the average, yet in some instances, good hay was made & well secured between the 12th and 14th days. Much sickness of many kinds in Town and country, and the mortality above average. The thunder storms on 29th did much damage in some places, both by hail, and lightning.

JULY 1860.

July	Baro. meter	Wind.	Thermomr. 9 a.m.	Thermomr. 8 p.m.	Weather, &c.	Notes.	Rain.
Su. 1.	30.40 -40	NW ₁ NW ₁ W ₁	47 60 68		Bright with mixed clouds, very fine & pleasant. close & warm afternoon, & very little wind. Lovely Evening, warm & bright, with slight haze. After 7 - thick haze.	♂ ♀ ♀ blue electric haze at 8 set.	
M. 2.	47 -50	W ₁ W ₁ SE ₂	54 66 73		Hazy at first, became very bright at 7 a.m. hot summer's day, cumuli, and Sun, with gentle wind, wind veered to SE. 5 p.m. sun set red in haze. Clouds adverse.	clouds moving across the under current at Eve.	
Tu. 3.	49 -39	W ₁ W ₁ W ₂	57 64 70		Cloudy with blue haze, very close & sultry, with but little sun. Close evening, and a very blue haze, thick and electric. - More wind after 10 p.m.	Full moon 4.7 a.m.	
W. 4.	27 -30	W ₂ NW ₂ N ₃ N ₂	55 66 66		Bright & breezy morn'g; close, & more cloudy after 9, and very dark at noon, cloudy & cooler afternoon. Clear and cool Evening, and night.	great changes but fair.	
Th. 5.	38 -27	NW ₂ NW ₁ W ₂ W ₂	49 63 73 1/2		Clouds & sun, soon became very bright, & much warmer again. Hot afternoon, small clouds, & very little wind. Splendid Evening clear golden 8 set, and very warm.	* H & ♀ wind rose in the night.	
F. 6.	25 -35	NW ₃ NW ₄ NW ₂	57 59 60		Cooler breeze, & cloudy more or less, stiff breeze at 8 & 9 a.m. less wind & more sun after 11, fine afternoon, & chiefly sun, but very cool, the evening and night near the same.	very great changes of temperature.	
S. 7.	39 -41	N ₂ N ₂ N ₁	49 58 61		Close & cloudy more or less, & very little sun, cool breeze at times. Clear Evening, and very little wind. More clouds again during the night.	very cool & gloomy	
425.27			3683.4713		Mean Temp 60° -	Rain none.	

(840.)

JULY 1860.

July	Baro. meter	Wind.	Thermomr. 9 a.m.	Thermomr. 8 p.m.	Weather, &c.	Notes.	Rain.
Su. 8.	30.37 -37	N ₂ NNE ₂ NE ₂ NE ₂	49 57 64		Very cloudy & cool; more sun, after 1 p.m. bright and pleasant afternoon, with fleecy cumuli. Cloudy Evening, and night, and fresh breeze continued.	♂ 4 ♀	
M. 9.	33 -25	NE ₂ NE ₁ NE ₂	57 64		Cloudy, with cool breeze, clearer after 11 a.m. bright afternoon, with loose cumuli; Evening cloudy, and a close night, with very little wind.		
Tu. 10.	22 -19	NE ₂ E ₂ E ₁	57 62		Close, little light rain at times. in the morn'g, very cloudy till 2 p.m. afterwards chiefly bright. Evening also bright, and warmer followed by fog in the night.		01
W. 11.	17 -17	Var. 0. NE ₁ Var. 1/2. SE ₁	52 61 72		Foggy morn'g, & little misting, but became fair & clearer after 9, hot and sunny day, with electric clouds on different tacks. Night cloudy & some fog.	moon last 2d 5.58 a.m. distant thunder at noon.	02
Th. 12.	16 -13	NE ₂ NE ₂ E ₁	52 61 70		Fog early, cleared after 9, bright, with electric clouds, & hot, with a breeze at times, distant clouds on SW horizon all the Evening - opposite to the lower current.	Strong smelly electric air.	
F. 13.	10 -04	N ₁ NW ₂ E ₁ SE ₁	52 58 72		Very foggy morn'g, till 7, then cloudy till after 11, hot & sultry afternoon, rocky clouds and sun. - More rocky & electric in the Even'g very close, & fog came on at 9.		
S. 14.	29.97 -95	SE ₁ S ₂ SSW ₁ S ₁	57 62 72		Foggy till after 6 a.m. then cloudy, & electric, very little rain, & more wind with fast rain at 11 a.m. but soon ceased, and became a bright, & hot afternoon. Dappled & hazy in the Even'g, & close & sultry.		02
422.42			3644.76		Mean Temp 60° -	Rain cal. over 0.05	

(840) Precisely the same temperature as last week was.

JULY 1860.

July.	Baro. meter.	Wind.	Thermom. 9 a.m.	Thermom. 8 p.m.	Weather, &c.	notes.	Rain.
Su. 15.	30.03	S ₂ . S ₃ . SSW ₂ . S ₁ .	58 66 73		Fog & very sultry morn'g, close day, bright & hot afternoon, with mixed electric clouds, and very soft breezes. Evening close, and many clouds in mixed beds. - very sultry night, less wind.	Clouds very electric all the evening.	0.05
M. 16.	-10	SW ₂ . W ₀ . W ₂ . E ₂ .	59 67 70		Sultry & hazy, few drops of rain 6 am, became bright, & hot after 8, & till near 11. Much distant Thunder, with hazy & close air from 11 am, & rain at 3 pm, till 4 pm, and rainy even'g till 7.	Continual Thunder from 10 till 2 pm. - chiefly in S. & S.E.	01 27 07
Tu. 17.	-03	W ₂ . S E ₁ . S E ₂ . S E ₂ .	52 66 74		Bright with grey haze, calm & soft morn'g. became very bright after 8, and very hot till 3 pm, then cloudy, more or less all the even'g, - and a close night.	808 very hot & electric.	
W. 18.	-01	SW ₂ . SW ₁ . SW ₁ .	57 66 70		Light clouds, & sun, chiefly bright & hot till noon, some darker & rocky clouds followed, but fair & suitable for viewing the Eclipse. A solemn dim & grey light all the time. - Even'g rather cloudy.	Great Solar Eclipse. new moon 2.19 pm. Therom fell during Eclipse from 70 to 66.	
Th. 19.	-91	SSE ₁ . S ₁ . SW ₂ . SW ₁ .	56 62 65		Cloudy, lowering & rain at 9 am, and in little showers till 2 pm. Very unsettled sky most of the day, but the even'g more fair and serene. - Close night.	Thunder in S.E. at 10 am.	11
F. 20.	-89	W ₂ . W ₃ . N ₄ . W ₀ .	55 63 70		Blue fog clearing off at 9 am, bright & hot till 1 pm, then a shower, with thunder near: & a more severe one after 3. in the N. & N.E. sudden gale from N, afterwards a calm, close & sultry even'g.	Thunder Eastward as the clouds went off.	70
S. 21.	29.98	SW ₂ . S ₂ . S E ₃ . S E ₁ .	56 63 66		Close, some fog early, curled upward, fine with sun, & mixed clouds till near 12, then cloudy & rain at times, in light misting. - Clear even'g from 6 pm.		08

41975 393488 Mean Temp 62° 928.) Rain cald up 0.69 (881.)

JULY 1860.

July.	Baro. meter.	Wind.	Thermom. 9 a.m.	Thermom. 8 p.m.	Weather, &c.	notes.	Rain.
Su. 22.	29.98	S E ₀ . N E ₁ . NW ₂ . W ₂ .	51 59 66		Close, & light rain at 4 & 5 am; very dripping sky till near 11 am. bright & warm at noon, shower at 1 pm & wind veered NW: bright till near 5. Thunder storm passing SW till 5 1/2 pm. - Fine even'g and night.	888 rain all from S.E. in the morn'g. but from NW pon.	07 05 05
M. 23.	-92	W ₂ . SW ₃ . S ₂ . SW ₃ .	52 58 62		Cloudy, & lowering, little sun at 10 am, but soon cloudy, & a rainy afternoon, more or less. - Continual rain all the evening - but a fine night, and clearer at times.	very dark and wet afternoon & even'g.	37
Tu. 24.	-82	W ₃ . NW ₃ . NW ₄ . NW ₄ .	49 57 59		Cloudy but fine till near 11, afterwards continual rain, more or less, but mostly light, & more wind from 3 pm, all the even'g. Fine night after 10.	very wet all afternoon & evening.	39
W. 25.	30.04	NW ₃ . NW ₄ . NW ₂ .	50 55 59		Cloudy, & very cool breeze, little misting at 9 am, more fair, and clearer from 10 am, and fine afternoon, little sun at times. Clear night, cold for the season.	MOON 1 st Dr. 5.40 am.	54
Th. 26.	-08	NW ₂ . NW ₁ . NW ₀ .	45 57 60		Bright & cool morn'g, fine, & drying day, sun & clouds, but pleasant, & less wind, calm even'g, hazy and rather more electric. Some fog dur'g night.		56
F. 27.	29.96	W ₀ . SW ₂ . SW ₂ . W ₀ .	48 60 65		Fog below, curled upward: fine & pleasant day, with sun, and mixed clouds, sky hazy, and a drying breeze. - Very dark haze westward all the evening.		60
S. 28.	-87	Var. 0. SW ₁ . E ₂ . Var. 0.	53 63 68		Fog & curled sky, clearer after 8, bright & hot, with electric clouds. - Severe Thunder storm from N.E. 2 to 3 1/2 pm. - Hazy & close even'g. Night foggy.	very severe Thunder & lightning 2 till 3 1/2 pm. from N.E.	38

41975 348439 Mean 56° 21 Temp.) Rain cald over 2.00 (787.)

JULY 1860.

July.	Baro- meter	Wind.	Thermom. Lowest 9 a.m.	Thermom. 8 p.m.	Notes.	Rain 2.00
Su. 29.	29.98	W ₁ .	54	61	Great fog till 9 a.m., then bright with rocky clouds, much thunder in West from 10 a.m. & severe storm near us from NW from 1 till 2 p.m. & rain with thunder continued. Evens fine and clearer.	60.4
	30.14	N ₂ . NE ₂ . NE ₂ .		65	Severe thunder-storm 1 to 2 p.m. & till near 3 at distance.	74
M. 30.	-25	NW ₂ .	54	60	Bright with flying clouds, a very fine drying day, and a clear Evening, except on the West horizon cirri & dusky clouds there. Fine night.	57
	-27	N ₂ . NE ₁ . N ₀ .		64		
Tu. 31.	-19	NW ₂ .	51	62	Bright with electric clouds, and a hot afternoon; more cloudy from 4 p.m., and a close and calm Evens.	62
	-18	W ₂ . W ₀ .		70		
181.01		159.199		Mean Temp 3 days 59°.66. Total rain 2.14.		

Barometer

Highest on the 2 nd	30.50
Lowest - 22 nd & 23 rd	29.78
range	0.72
Mean of month	30.12.

Thermometer

Highest on the 17 th	74°
Lowest on the 26 th	45°
range	29°
Mean daily range	14°.19.
Mean of month	59°.774.

Five days 19. Rain 2.14 Inches. Winds chiefly much divided or NW. to SW. no gales.

This was a remarkable month for the season, and a surprising contrast to the same period of previous year, nearly 10 degrees difference in its temperature; last year, being 6° above average, & this being near 4° below in July. - A prevalence of much cloud, and Northerly wind being the main cause. - Great damage by hail and lightning on 28th and 29th in many places, almost in all Counties. - It was an unusual circumstance, that the severe tempests on 28th & 29th came up from nearly due North, and passed off to the South!

August 1860.

Aug.	Baro- meter	Wind.	Thermom. Lowest 9 a.m.	Thermom. 8 p.m.	Notes.	Rain.
W. 1.	30.18	W ₂ . W ₂ . W ₀ .	56	62	Grey clouds, and Sun; fine, and pleasant day, dappled & electric upward. Evening cloudy, and very close. - Somewhat foggy during the night.	Full moon 5.33 p.m.
	-12			67.2		
Th. 2.	-05	W ₀ . W ₂ . W ₂ .	55	61	Close morn'g, fine and pleasant, day, much cloud, with sun at times. Evening cloudy and at times breezy. Fine night. - Some fog after midnight.	60
	-02			66		
F. 3.	29.92	SW ₂ . SW ₁ . SW ₀ .	54	65	Bright with mixed electric clouds, all the forenoon, dark blue haze & sultry afternoon: little rain at 4 p.m. & hasty shower at 5. Cloudy Evens - very close night.	* H ☉ 71
	-75			67		
S. 4.	-68	SW ₁ . W ₂ . W ₄ . W ₂ .	59	64	Very close & misting at times, a hasty shower at 12, bright and warm afternoon, but windy with flying clouds, and very bright Evening.	warm & pleasant afternoon 62
	-63			69		
Su. 5.	-78	W ₃ . W ₁ . W ₀ .	50	62	Clear & bright morn'g, fine day more cloudy in the forenoon, but mostly bright in the afternoon. Cloudy, calm, & warm Evens, wind to SE at 9 p.m.	very pleasant day 62
	-82			66		
M. 6.	-57	S E ₃ . S ₃ . SW ₃ . W ₂ .	58	63	Cloudy & rain from 4 a.m. till 6. Squally & showery at 11; fine, and bright afternoon, with clouds, and brisk wind. Evening overcast & misting. Night clearer.	30 05 03
	-52			67		
Tu. 7.	-85	W ₄ . W ₄ . W ₁ .	51	61	Clear & windy morn'g, the day chiefly fair, with sun, & rocky clouds, some squalls of wind, and a little flying shower at 1 p.m. Evens calm & pleasant.	02
	30.01			66		
417.90		383.4683		Mean Temp 60°.82. - Rain cal. over 0.56		
				(851.5)		

August 1860.

Aug.	Baro. meter	Wind.	Thermom. 9 a.m.	Thermom. 8 p.m.	Weather, &c.	Notes.	Rain. 0.56
W. 8.	30.00	SW ₂ .	49		Clouds & sun, hazy, & electric, fol- lowed by rain from 11 a.m. and till 3 p.m.; more fair from that time but rather dripping in the eveng. Night finer, but close & hazy. —	60	25
	29.73	S ₂ .	60				
		SW ₁ .					
		W ₁ .	61				
Th. 9.	-74	W ₁ .	55		Bright with flying clouds, in the forenoon, but more cloudy after 1 p.m. brisk wind & sun at times. Cloudy evening, and less wind. Fine night, and clear after 12. —	60	moon last 20 9. 23 p.m.
		W ₂ .	60				
		NW ₂ .	63				
	-83	NW ₁ .					
F. 10.	-97	NW ₁ .	49		Bright, with grey clouds, and some heavy Cumulostrati, but a fine, and pleasant day, till 6 p.m. then a squall & rain, for a few minutes. Then fine eveng, & cloudy night. —	60	58
		W ₂ .	60				
		SW ₁ .	66				
	-97	S ₁ .					03
S. 11.	-80	S ₂ .	55		Dark clouds rising in Arcs SW, heavy rain between 8 & 10 a.m. ending with extreme heavy storm, bright at 11 & 12; but severe thunder storms at 1 & 2 p.m. near, with hail & very heavy rain, and a showery eveng, & night. —	59	Severe Thunder & hail. p.m. 44 26 12
		S ₄ .	59				
		SW ₁ .	65				
	-69	SW ₀ .					
Su. 12.	-76	NW ₂ .	55		Clouds & sun, with brisk wind, & very little flying rain at times, but chief- ly fair. Very cool eveng, with sun, & passing clouds, sun set orange coloured among broken clouds.	62	59
		NNW ₃ .	62				
		N ₂ .	66				
	-92	N ₂ .					
M. 13.	-93	Var. o.	52		Fog early, hazy with electric clouds & thunder westward from 1 p.m.; and in NW till after 3. followed by lin- gering light rain all the eveng, & distant thunder. Finer night. —	58	much Thunder, p.m. 72
		S E ₁ .	65				
		S E ₁ .					
	-89	E o.					
Th. 14.	-85	Var. o.	54		Close, haze, & some clouds, clearer after 9. bright with very rocky clouds. A very pleasant afternoon, warm & sunny, with few clouds. Fine eveng, chiefly bright, but cloudy at night.	63	8 1/2
		S 1/2.	63				
		S ₁ .	66				
	-89	S 1/2.					
41727			3694523		Mean Temp 58.678.) Rain cald up 1.78		
			(821.5)				

August 1860.

Aug.	Baro. meter	Wind.	Thermom. 9 a.m.	Thermom. 8 p.m.	Weather, &c.	Notes.	Rain 1.78
W. 15.	29.89	SSE ₂ .	56		Fog till 7 a.m. became bright with rocky clouds, very warm & pleasant day, with a brisk wind, and much cloud at times, but chiefly sunny. Dark with distant Thunder, South, at 7 p.m. — very close night. —	63	Distant Thunder S. eveng.
		S E ₂ .	63				
		S E ₂ .	68				
	-82						
Th. 16.	-57	S E ₂ .	60		Very sultry & electric, mixed clouds, & sun; hot afternoon, but hazy and in the South more so, and rain from 4 p.m. here, till 5 p.m. —	60	new- moon 10. 19 p.m.
		S E ₃ .	67				
		S 1/2.	70				
	-48	SW ₃ .					13 08
F. 17.	-58	SW ₃ .	53		Bright morn'g; continued bright, with gusty wind, and flying clouds, day- ing and pleasant day. — Evening chiefly clear, and cooler, with less wind during night. —	62	
		SW ₄ .	62				
		SW ₃ .	67				
	-75	2. 1.					59
S. 18.	-78	SW ₂ .	51		Bright morn'g, and fine till after 10, then cloudy, with wind, & some rain. A heavy but short storm at 11, then lowering & rain at times. Very wet & blowing eveng, and the night the same.	61	very wet & windy eveng. 58
		SW ₄ .	61				38
		S ₅ .	61				
	-67	S ₅ .					
Su. 19.	-85	W ₄ .	55		Rain early, but fine after 6 a.m. bright with flying clouds, and a very brisk wind. Pleasant afternoon, less wind, and cloudy evening, — and a shower at 11 p.m. —	61	12
		W ₃ .	61				
		W ₂ .	66				09
	-96	WSW ₂ .					
M. 20.	-92	WSW ₂ .	60		Close morn'g, clouds & sun, fine day drying breeze, cumuli, and sun, chiefly bright all the middle of the day, & warm & pleasant. Very fine and warm night. —	63	
		W ₂ .	63				
		W ₂ .	68				
	-94	W ₁ .					
Tu. 21.	30.01	W ₂ .	56		Fleecy clouds, & sun, lowering & little shower at 10 a.m. afterwards chiefly fair, cloudy with sun, and light breeze at times. — Calm eveng and mist rising on wales, — Night also very foggy.	62	03
		NW ₂ .	62				
		W ₁ .	67				
	-07	SW ₀ .					
41729			391467		Mean Temp 61.285. —) Rain cald over 2.61		
			(858)				

August 1860.

Aug th	Baro. metes	Wind.	Thermom ^t low 9 am high	Weather, &c.	Thermom ^t 8 pm.	notes.	Rain. 2.61
W. 22.	29.89	S ² . SE ⁴ . SE ³ . SW ² .	55 57 62	Cloudy & rain from 6 am, much increased and continued very hard and drifting all the middle of the day. Fine from 3 till 6 pm. Squally Even ^g , gusty from west. & some rain.	61	60 07 wind at West, & strong - 12 pm.	
Th. 23.	29.90	W ⁵ . W ⁶ . SW ⁴ . 2.	49 59 66	Clear, blowing morn ^g , and continued bright & windy with flying clouds till near 6 pm, but some distant showers in NW at 3 pm. & a shower here after 6. - and a heavier one at midnight.	58	moon 1 st Dr O. 4.9 pm	03 17
F. 24.	29.89	SW ³ . S ¹ . SW ² . 4.	49 59 62	Bright with flying clouds, till noon, afterwards clouded, thick and rainy, with gusts of wind, at times till about 10 pm. - Fine night, & very close.	60		32
S. 25.	29.83	S ⁰ . SW ² . SW ² . SW ⁴ .	56 59 66	Cloudy, close & calm morning, and rain from 7 am - and continued more or less at times, till 3 pm, then finer & a little sun for a short time; close & misting night.	63	Rivers overflowing.	22 06
Sa. 26.	29.85	WSW ³ . W ³ . W ¹ . SW ⁰ .	56 62 68	Bright morn ^g , with brisk wind, continued fair, & bright, with cumuli, & brisk wind, but abated much in the afternoon. - Even ^g hazy & electric & wind all gone. Clouds may be seen on all points.	62	Splendid red sky, at D ^{set} . clouds all crimson on all points.	14
M. 27.	29.77	SW ¹ . SW ² . SW ⁰ .	55 58 66	Overcast & rain from 5 till 7 am; became bright after 9, fine and sunny the rest of the day, with cumuli clouds. Clear Even ^g , except in SW. Electric & stormy there.	60		
Tu. 28.	29.99	SW ² . SW ² . SSW ² . S ³ .	51 60 69	Fog early, but mostly bright in the day, rocky clouds, and distant showers. Very cloudy Evening lowering & little wet during the night at times.	62		07
418.28			371 459	Mean Temp 59° 28.5. Rain cal up 4.29			(830.)

August 1860.

August.	Baro. metes	Wind.	Thermom ^t low 9 am high	Weather, &c.	Thermom ^t 8 pm.	notes.	Rain. 4.29
W. 29.	29.62	S ² . SW ² . SW ² . W ¹ .	56 64 71	Close, and cloudy with sun, very sultry morn ^g ; little flying rain before 11, sunny & hot in the afternoon, Cloudy Even ^g , but a clear sunset, and red & golden tints above	63		02
Th. 30.	29.30	SSE ⁵ . SW ⁶ . WSW ³ . W ² .	53 65 67 1/2	Overcast, blowing & wet, at 6 & 7 am, became bright, after 8, hazy driving shower 9 am. again bright & windy with flying clouds. Clear Evening, and cooler air; yellow sunset, and fine night.	60	hazy squally.	11 02
F. 31.	29.62	SW ² . SW ² . SW ¹ .	52 60 68	Clear morn ^g , but soon more cloudy, again clear after 11, and very bright, and drying afternoon. More electric in the Even ^g , but a severe moon light night.	61	Full moon 8.57 am. Harvest Moon.	
177.48			161 206.5 (367.5)	Mean Temp 3 days 61.25. Total Rain 4.44			

Barometer.	Inches	Thermometer.	Dis ^t
Highest on 1 st .	30.18	Highest on the 29 th .	71°
Lowest on 30 th .	29.30	Lowest on 8 th 10 th 23 rd & 24 th .	49°
range	0.88	range	22°
Mean of the month 29.82		Mean Daily range	12.20
		Mean of the Month	60.14

Prevailing winds SW, & W; Depth of rain 4.44 Inches; Fine days 12; and fairs on 2 days.

This was a notably wet, gloomy, and unseasonable month, but the mean temperature rather above preceding months, on account of the night temperature being kept a little up by clouds, but like the entire summer, it was much below the average. - Corn harvest partially began about 29th but not generally till the 29th and 30th. Much sickness in many parts, but chiefly from Pulmonary, and Rheumatic disorders, & pains.

September 1860.

Sept.	Baro- meter	Wind.	Thermom. 8pm	Thermom. 9 highest	Weather, &c.	notes.	Rain.
S. 1st.	29.83 -96	W ₁ W ₁ W ₀	49 61 70		Clear & dewy morn'g, continued fine bright and warm, and the afternoon hot, and summerlike, with some small cumuli & gentle wind. Even' calm & distant showers in P.	Heavy Electric clouds at Eve, in S & SE.	
Su. 2.	30.02 -10	NW ₂ NW ₁ W ₀	46 57 68½		Fog below, clear above, bright with cumuli clouds all day from 8 am, very fine & pleasant. - but a very sudden shower at 6½ pm, followed by very severe lightning & thunder in NE.	Violent Thunder storm in N & NE - 7 to 8 pm.	85
M. 3.	-18 -24	NW ₀ E ₁ E _½ Var. o.	48 58 62		Thick fog early, cleared off after 9 am, bright with rocky clouds, and distant Thunder Eastward. Very electric & showers passing near. - Close evening, mist on the valleys.	Distant Thunder all P.M.	
Tu. 4.	-30 -33	Var. o. W ₁ W _½ W ₀	47 62 67		Bright & serene, with light clouds, very fine sunny & warm day, and very little wind. - Sun set red in thin haze. Fine night, and rather foggy after midnight.	☐ ☉ ☿	
W. 5.	-32 -36	W ₁ W ₂ W ₀	48 61 65		Clouds & sun, with electric haze, more cloudy & hazy all the afternoon. Evening very close and quite calm, soft and pleasant. The night the same.	About 12 pm. Distant lightning in NW.	
Th. 6.	-45 -51	W ₁ NE ₁ NE ₁ NE _½	55 58 62		Close & little wind, low clouds, & little misting about 8 and 9 am, then a fine and pleasant day, cloudy, with little sun. - Evening clearer, and a mild and serene atmosphere.	☿ ☿ ☿ Aurora, very brilliant all night.	
F. 7.	-50 -37	NE ₁ NE _½ E ₁	51 60 69		Grey clouds and sun, soon became very bright & calm, with few small clouds only, very hot in full sun, some clouds in adverse current in the Even'g, but a bright & set. - Fine night & chiefly clear.	Distant lightning SE - 9 pm.	
42347			3444633 8075		Mean Temp 57° 678. -	Cal up Rain	0.05

September 1860.

Sept.	Baro- meter	Wind.	Thermom. 8pm	Thermom. 9 highest	Weather, &c.	notes.	Rain.
S. 8.	30.23 -20	N ₁ NW ₂ N ₂	51 63 67		Foggy & close, but muddled upward, soon clearer, electric clouds & Sun; blue haze & very warm afternoon; more clouded from 3 pm, and in the evening. - Night clearer.	moor last Dr 11.7 am.	
Su. 9.	-23 -30	N ₁ NE ₃ NE ₂	50 58 61		Very bright, & lovely morn'g, continued bright with some clouds, but a very cool breeze from 9 am, all day. Cold Evening, but chiefly clear. and fine night.		60
M. 10.	-23 -23	NE ₁ NE ₃ NE ₂	44 54 59		Grey clouds, with Sun, & cool breeze, more wind after 1 pm, very cool, and many clouds, but sun bright, at times. Cold Evening and in part clear.		49
Tu. 11.	-31 -45	NE ₁ NE ₂ NE ₀	42 57 61		Clear & cold morn'g, fine and sunny day, some clouds, & cool wind, but warmer. Evening quite clear, and pure bright Sun-set. - Twilight very strong.		50
W. 12.	-51 -40	NE ₀ SE ₁ SE ₂ SE _½	37 57 65		Harsh frost early, very clear, and soon became very warm, and bright, with cumuli clouds, and a fine Even'g. paler sky, less wind, and sun set in thin streaks of clouds, but colder again during the night.	☐ ☉ ☿	
Th. 13.	-19 -02	S ₁ S ₃ SSW ₂	39 59 68½		Clear, cold morn'g, but much warmer in the opening day, bright with light clouds, fresh breeze, and very warm afternoon. Yellow Sun-set, and wind all night.		58
F. 14.	29.77 -73	S ₄ SW ₅ SW ₄ SW ₂	50 60 67		Squally and lowering till near 10 am, little light rain, afterwards fair, with sun, flying clouds, and brisk wind. Warm night and more wind after 12, and often cloudy.		02
42280			3134585 (771°5)		Mean Temp 55° 10.)	Rain cal over	0.07

September 1860.

Sept.	Baro- meter	Wind.	Thermom. lowest 9 am	Thermom. highest 9 am	Weather, &c.	Thermom. 8 pm.	Notes.	Rain.
S. 15.	29.67 -73	S 5 S 4. S 2.	53 59 64		Flying clouds, windy, & sun at times; squally, little rain in flying showers, but soon passed off. Fine Evening, and close and hazy. - Cloudy night.	59	new moon 6.9 am.	0.07
Su. 16.	-78 -80	SW 2 SW 4. SW 3.	52 61 64		Bright with a warm breeze, till 11 am, then more cloudy, and cooler. wind, followed by rain from 4 pm, in gentle showers till after 6. fine night.	58	warmest at 11 am.	10
M. 17.	-80 -74	SW 3. SW 3. S 4.	57 63 66		Sultry and cloudy morning, and chiefly cloudy all day, but very warm & sultry. Lowering Even ^g , close, and gentle rain at times; but more after midnight.	61	Sultry night. $\Delta \odot \delta$	11
Tu. 18.	-62 -55	SE 1. SW 2. W 2. NW 2.	58 61 62		Hard rain early in the morn ^g . very close & sultry. but cooler after 11, very lowering, and little wet at times. Night fine & clearer.	55	Sultry morning cooler after noon.	23
W. 19.	-63 -71	Var. 0. SE 1. SE 0. E 0.	44 57 62		Fog early, soon became bright, and pleasant, and very warm till 2 pm, then more cloudy, but a calm, warm, and lovely Even ^g .	57	$\Delta \delta \ddagger$	10
Th. 20.	-88 -94	SE 0. S 1. SW 2. SW 0.	43 55 64		Fog early, became bright at 4, & again foggy at 8. close and electric, but a very warm, and sunny afternoon, with rocky Electric clouds. some rain after midnight.	58	* H ♀ very Elec. late all the Evening.	08
F. 21.	30.00 -17	W 1. WNW 2. W 1. W 0.	54 60 64		Shower at 3 am, close morn ^g , but bright after 9 am, very fine warm, and sunny afternoon. Calm Even ^g , and some clouds.	56	moon. 1 st Dr 11.24 pm.	08

41702

361446

(807.)

Mean Temp 57° 64.) Rain cal up 0.72

September 1860.

Sept.	Baro- meter	Wind.	Thermom. lowest 9 am	Thermom. highest 9 am	Weather, &c.	Thermom. 8 pm.	Notes.	Rain.
S. 22.	29.90 -80	SSE 4. S 4. SW 3. SW 1.	51 62 65		Very warm sultry air, and wind very brisk, lowering sky, but fine till 3 pm, then hard rain nearly an hour. and some showers in the night. The sun set extremely beautiful, in bars of crimson & gold.	56	Splendid colour at sunset, the west in richest tints.	30
Su. 23.	-87 -90	SW 2. SW 1. S 0.	50 53 57		Hazy and close, with much cloud, and little sun. but calm and a pleasant afternoon. Evening very hazy, and red at sunset. Calm night, & chiefly cloudy.	53		15
M. 24.	-90 -70	Var. 0. NE 1. NE 2. NE 3.	48 54 58		Close and calm, with electric clouds, became bright at 11 am, but much electric cloud, cloudy afternoon. continual distant thunder in p.m. rainy Even ^g : and heavy at times during the night.	53	much thunder in S.E. from 11 till 4 pm.	40
Tu. 25.	-38 -98	SE 3. SW 4. W 7. W 1.	47 53 54		Blowing & heavy rain till 2 am, from N.E. wind to S.E. since. but from 9 to 11. hard gale at west & rain: fine & clearer afternoon, and wind fell away. Clear Evening, and cold night.	49	very stormy morn ^g .	08
W. 26.	30.00 29.94	SE 1. SE 1. SE 0.	38 50 58 1/2		Clear but soon hazy, many clouds, with sun at times; very electric, and a heavy thunder-cloud N.E. 3 pm. bright moon at eve, and very electric yellow headed clouds, & a beautiful arc from W to E. fleecy lines.	54	thunder in N.E. 3 pm.	25
Th. 27.	-87 -90	SE 1. SE 2. SE 1.	49 59 64		Rain very early a.m.; bright and very warm day, with distant showers & very electric mixed clouds. very close Even ^g , and foggy during the night.	57	warm & pleasant day.	07
F. 28.	-87 -95	NE 1. NE 1. NE 4.	52 58 58		Close and foggy, and a damp and cloudy forenoon, followed by rain from 11 am, at times, but mostly fine, although cloudy, and dark. - more wind at eve.	55		07

41696

3354145

(7495)

Mean Temp 53° 53.5.) Rain cal over - 2.27

September 1860.

Sept.	Baro. meter	Wind.	Thermom. 9 ^h high	Thermom. 8 ^{pm}	Weather, &c.	Notes.	Rain.
S. 29.	30.03	NE ₃ NE ₁ N ₁	50 56 56		Cloudy more or less all day, and a little misting at times, but chiefly fair. A little shower at 8 ^{pm} , but fine & clearer in the night.	Δ H 8	2.27
Su. 30.	-18	W ₂ SW ₂ SW ₁	48 52 54		Cloudy with sun, but from 9 ^{am} , more cloudy, gloomy all day, but fine. Evening, & night the same, but less wind.	Full moon 1.39 ^{am}	05
	12057		98	110	Mean 2 days 52°.	Total Rain 2.32	

Barometer.

Highest on 6th & 12th - 30.51.
Lowest on 25th - 29.38.
Range - 1.13
Mean of Month 30.01.

Thermometer.

Highest on the 1st - 70°
Lowest on 12th am - 37°
Range - 33
Mean daily range - 14° 38.
Mean of Month - 55° 72.

Prevailing winds NE, SW, & SE. Rain 2.32 Inches.
Gales on 2 days. - Fine days 17.

This was a variable month, yet much finer than previous months, although in part unfavourable for the latter harvest, and having begun so late, much barley remained even where cut, and in some places even in Suffolk some wheat was abroad cut or uncut at the month's close! The latest harvest ever since 1816. - Still some of the wheat & barley was good and a fair yield, but their general produce below the average. Beans piling well, but needing dry weather to harden them.

Orchard fruit a partial crop, in some places plenty, and in others scant. - Public health better than in previous months.

October 1860.

Oct.	Baro. meter	Wind.	Thermom. 9 ^h high	Thermom. 8 ^{pm}	Weather, &c.	Notes.	Rain.
M. 1.	30.35	SW ₀ W ₁ W ₀	49 54 57		Close and cloudy, very little sun, but fair and pleasant. The evening clear after 8, and the moon bright. Little fog in the night.		54
Tu. 2.	-37	W ₀ W ₂ W ₀	49 57 61		Light clouds, & sun, very warm and bright from 10 ^{am} , till 1 ^{pm} , then rather more cloudy at times. Red evening, with dark electric clouds. - Wind in the night.	a very warm & pleasant day. -	57
W. 3.	-19	SW ₃ SW ₅ W ₇ W ₃	48 57 61		Bright & windy, with electric clouds, wind strong from 12 till 3 ^{pm} . - afterwards abated much, and sun set, clear moon light night.	Hard Gale.	54
Th. 4.	-42	W ₂ W ₃ W ₁	43 57 57		Quite clear, and brisk air, fine day, & chiefly sun, but more hazy & some clouds in the afternoon. Even and night nearly calm.	* 24	52
F. 5.	-19	W ₅ WSW ₆ WSW ₄ W ₂	46 53 62		Wind again rough since 4 ^{am} , fine & warm day, but windy and much cloud. Clearer after 4 ^{pm} , & less wind. - Very close Even. & night.	Δ O H Gale but warm.	59
S. 6.	-40	W ₀ W ₁ SE ₁	50 58 63		Calm, little fog, cloudy till noon, very bright and warm afternoon, few light clouds. Close Even, wind veered to SE, very warm night, and chiefly cloudy.	very pleasant after-noon.	58
Su. 7.	-33	SW ₂ SW ₂ W ₁	54 58 62		Close & cloudy, with sun, very fine & pleasant, with brisk air, some dark clouds & few rain drops at 4 ⁴ pm, & at 5 ^{pm} little shower. Fine and pleasant even & night.	MOON last Dr. 11. 4 ^{pm} .	56
	-30						02
	42469		339423		(762)	Mean Temp 54° 42. -	Rain cad over 0.02

October 1860.

Oct.	Baro. meter	Wind.	Thermom. low 9 am high	Weather, &c.	Thermom. 8 pm.	Notes	Rain 0.02
M. 8.	30.25	W ₂ . 48 W ₄ . 53 W ₂ . 56		Grey clouds, & sun, very fine morning, & drying breeze. - continued fine & chiefly very bright, and more wind. Evenings mostly clear, and less wind. - but after 12		very fine and drying day.	
Tu. 9.	-02	W ₄ . 43 NW ₅ . 46 NW ₄ . 51		Squally with rain at 3 am, clear and cold morning, cloudy after 8, and shower at 9, afterward cold & windy with sun at times. - Squalls in the Evens, & cold night.		cold and squally day, yet but little down-fall.	
W. 10.	-27	SW ₁ . 37 SW ₂ . 44 SSE ₂ . 54 S ₄ .		Flazy and soon cloudy & lowering, with rain from 12 noon, and faster from 3 pm. Therm only 46° till Evens, then rose to 54°, and finer with more wind.		great changes both day & night.	
Th. 11.	-57	NW ₁ . 45 NE ₂ . 48 NE ₂ . 49		Cloudy more or less till 3 pm little rain at times, colder again from 10 am. Became bright after 3 pm, but cold, and the Evens clear, & frosty inclined.		a mild morning but very cold evening.	
F. 12.	-89	NW ₃ . 34 NW ₂ . 40 W ₂ . 47		Squalls & rain during night, in trifling showers bright & cold morning. Continued very bright with cold air, & few clouds. Evening hazy, & calm. - Change during night, overcast & wind rising.		a very bleak day.	
S. 13.	29.68	S ₃ . 39 SW ₂ . 49 W ₂ . 54 SW ₁ .		Hard rain at 5 & 6 a.m., squally morning till 9, then fine & sunny till 1 pm, afterwards overcast & rainy till 5 pm. Evening finer, but cloudy & unsettled.		* ♀ ♀	
Su. 14.	-59	SW ₂ . 45 W ₃ . 48 NW ₂ . 52 NW ₁ .		Some rain early, fair & clearer after 7, the day mostly fair some sun, but many clouds & little rain about; and the Evening showery, but finer, & clearer night.		new moon 2. 37 pm. ♂ ♀ ♀ * ♀ ♀	
418.44		291363		Mean Temp 46°.71. } Rain cal up 0.85			
		(654)					

October 1860.

Oct.	Baro. meter	Wind.	Thermom. low 9 am high	Weather, &c.	Thermom. 8 pm.	Notes	Rain 0.85
M. 15.	29.96	S ₁ . 40 S ₄ . 46 SW ₃ . 58		Cloudy followed by rain from 9 1/2 a.m., and increased to hard rain which continued till after 3 pm. then finer & much warmer all the Evens, & night. Therm 60° after midnight.		* ♂ 4 □ ♂ ♀ very sultry night.	
Tu. 16.	-60	SW ₃ . 55 W ₃ . 61 W ₁ . 61 W ₂ .		Sultry, & closes till after 9 am, then squally with rain at times till 2 pm. cooler since 10 am - and clearer off at 4 pm. - Fine Starlight Evening.		close morning squally day.	
W. 17.	-93	W ₃ . 45 W ₂ . 49 W ₁ . 55 SW ₂ .		Very bright with cumuli clouds fine, pleasant and drying all day, and a clear star-light Evening, but a change after midnight.		very fine & sunny day.	
Th. 18.	29.93	S ₃ . 43 SW ₄ . 52 SW ₆ . 56 SW ₂ .		Red & hazy morning, blowing and lowering forenoon, little rain at 11; continued blowing all day, & cloudy, but finer again till 3 pm then rainy till 8 pm. afterwards fine, & warm night.		very windy & cloudy. wet eve.	
F. 19.	-82	SW ₃ . 50 SW ₂ . 54 SW ₂ . 59		Bright but hazy, very fine warm and pleasant, with some clouds more cloudy after 2 pm. close air and very close all the Evening. windy & warm night.		□ ♂ ♀ fine & warm.	
S. 20.	-92	SW ₅ . 47 W ₇ . 52 W ₃ . 56 2.		Flying shower 1 am, windy morning but bright. Continued very fine and bright all day, but very windy. Clear Evening & much less wind. Very fine night.		very dry - ing day.	
Su. 21.	-30	NW ₁ . 41 W ₁ . 47 SW ₁ . 55 Var. 0.		Clear, very fine & bright till after 8, then hazy arch of cloud at 9: but very bright & lovely day till near 4 pm, afterwards hazy from SW. - Close & calm Evening & night.		moon 1 st Dr. 2. 10 pm.	
418.91		321401		Mean Temp 51°.57. } Rain cal over 1.92			
		(722)					

October 1860.

Oct.	Baro. met.	Wind.	Thermom. lowest 9 highest	Weather, &c.	Thermom. 8pm.	Notes.	Rain.
M. 22.	30.21	SSE ₀ SE ₂ S ₂ SE ₂	37 49 58	Calm & fine morn., & bright, with hazy clouds, became very bright & pleasant warmth at 10, & so continued all day. Bright moonlight. Evening. -	51	ΔHδ	1.92
Tu. 23.	-18	S ₂ SW ₁ S ₂ S ₂	48 57 61	Very warm with thin electric clouds, & sun, sultry afternoon, & evening, and little misting at times. -	58	very warm. Ash leaf falls.	
W. 24.	-27	S ₁ S ₂ SE ₂	54 57 61	Very sultry & cloudy forenoon bright afternoon, and very warm, with light electric clouds, & fresh breeze. Fine	56	very fine & warm.	
Th. 25.	-15	SE ₂ SE ₁ SE ₁	53 57 62	Close, & light rain in the morn., but very fine sunny & warm afternoon. Evening foggy, and little rain at 8 pm. -	57	very warm & breezy pm.	.04
F. 26.	-14	SE ₂ SE ₂ SE ₁	53 58 61	Close & cloudy, with little gleams of sun, very warm and pleasant. Clearer about sunset. Beautiful dappled sky 9 pm, curdy white on the blue.	57	□48 splendid curdled sky at 9 pm.	.03
S. 27.	-13	SE ₂ SE ₁ SE ₁	49 56 59	Close and foggy, with sun at times, very fine and mild. Evening clearer, moon bright, and curdled clouds in light fleeces. -	54	Maple & Elm leaves fall.	
Su. 28.	-19	SE ₁ SE ₀ SE ₀	50 59 65	Bright with light clouds, & dappled: very fine & hot for the season, with continued brightness. Evening rather foggy, & the night more so. -	56	Calm electric & hot! The 65° from 1 to 3 pm.	
42.255			344 427	(Mean Temp 55° 07.) Rain cal up 1.99			
			(771)				

October 1860.

Oct.	Baro. met.	Wind.	Thermom. lowest 9 highest	Weather, &c.	Thermom. 8pm.	Notes.	Rain.
M. 29.	30.30	NE ₁ E ₁ E ₀	49 53 57	Thick fog, and more or less foggy till 1 pm, then sun at times and electric clouds. Evenings foggy, calm, mild and very fine. -	53	Full moon 6.49 pm.	1.99
Tu. 30.	-35	SE ₀ SE ₀ SE ₀	48 59 63	Fog below, dappled above; became very bright, and hot for the season, continued so all day, with bright knotty electric clouds. Foggy evening. -	53	*Oh very warm & bright.	
W. 31.	-32	NE ₂ NE ₂ NE ₁	47 51 55	Cloudy, more wind, and drying air, became bright after 9, very fine, sunny & drying day, Moon bright at eve, with fog on marshes. -	44	very fine & pleasant.	
181.94			144 175	Mean Temp 3 days 53° 16. Total rain 1.99			

Barometer.

Highest on 4th 66th 30.45
Lowest on 10th & 11th 29.55
Range — 0.90
Mean of month 30.105

Thermometer

Highest on 28th — 65°
Lowest on 12th — 34°
Range — 31
Mean daily range — 11° 29
Mean of month — 52° 06

Winds chiefly West, & S.E. - Rain 1.99. Fine days 21.
& Gales on four days.

This was a variable month, but chiefly fine and pleasant in the latter half especially; the peculiar warmth & serenity on Sunday the 28th was very striking, and the close of the month far more summerlike than the previous months. The mean temperature considerably above the average. - Much sickness in many districts, and small Pox. raging in Ipswich and elsewhere, - as well as Typhoid Fevers.

November 1860.

Nov.	Baro. meter	Wind.	Thermom. lowest 8 highest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain.
Th. 1.	30.22 -23	NE ₁ NE ₃ NE ₂	39 43 51	Black air, & bright sun, very fine & drying, so continued all day, but rather more clouds after 3 pm. Evening chiefly clear, & moon bright.	41	very fine drying day.	
F. 2.	-25 -28	NE ₁ NE ₂ NE ₁	36 40 51	Floor frost, clear, very fine, and bright all day, with parching wind. Sun set. clear, and the opposite horizon tinted very strongly purple & pink.	38	very fine clear, & parching.	
S. 3.	-28 -29	NE ₀ E ₁ E ₀	30 34 52	Clear above, fog below, & sharp frost very bright all day, and warmer with gentle wind. Very drying. Clear & calm Evens, same colors at sun set - in NE.	39	change after 12 pm.	
Su. 4.	-27 -27	E ₂ E ₃ E ₂	34 42 47	Grey clouds & sun, with a cold drying breeze, and more cloudy after 3 pm. The Evening rather clearer at times, and a fine night.	41	very drying.	
M. 5.	-29 -38	E ₃ E ₂ E ₃	38 42 47	Cloudy & brisk drying wind, more sun about noon, and less wind after 2 pm, for a little time, but a blowing Evens, and very cloudy, but fine night.	42	little sleety rain, at 4 pm.	01
Tu. 6.	-30 -62	E ₃ E ₂ NE ₁	41 44 46	Cloudy, dry and blowing, very fine parching day, and more sun in the afternoon. Cloudy Evens, and little rain at intervals.	38	moon last. Dr 9.16 a.m.	03
W. 7.	-60 -57	NE ₂ NE ₂ NE ₀	38 43 46	Clouds & sun, little showers at times, and a bleak air. Some sleet with the rain. Fine & calm Evens, and chiefly a clear sky.	38	□ 2 8	03
42505			256 340 (596)	Mean Temp 42.57.		Rain cal up 0.07	

November 1860.

Nov.	Baro. metric	Wind.	Thermom. lowest & highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain.
Th. 8.	30.49 -44	NW ₁ N ₂ N ₁	35 39 40	Clouds & sun, but chiefly fair and a gentle but keen wind. Some low clouds & little rain in the Evening, and at times in the night.	39	great fiery meteor 6 pm fell to S.	.07 .03
F. 9.	-44 -39	Var. E ₁ E ₁ NE ₁	37 41 43	Cloudy, some rain early, and at times in the day, but mostly fair, with dark clouds, and cold air. Dark and rainy Evening, but the rain gentle.	39		.02
S. 10.	-24 -13	NE ₂ NE ₂ NE ₁	38 40 42	Cloudy, rain at times, cold, and gloomy all day, more or less, and the Evening the same. Finer night but cloudy.	39	3 H &	.07
Su. 11.	-03 29.94	E ₂ E ₁ E ₂	38 40 41	Cloudy, and dark, with very cold wind, and a threatening sky. Rather clearer in the Evening, but much cloud still, and a cloudy night.	38		
M. 12.	-88 -84	NE ₀ NE ₂ NE ₂	38 42 43	Cloudy, & still morn'g, and very cloudy and gloomy all day, with a little more wind. More moist in the Evening, inclining to fog.	38		
Th. 13.	-77 -70	NE ₁ E ₁ E ₁	3 1/2 40 45	Very cloudy, and nearly calm, milder in the afternoon, and Evening, but continued thick, and very gloomy. Some rain during the night.	45	new moon 0.36 cm. 348	
W. 14.	-65 -62	SW ₁ W ₁ SW ₂ 6.	42 44 50	Overcast & hard rain to 7 am; finer and some sun in the mid-day, afterwards foggy, and a close Evening but more wind, and very windy night.	45	Δ H &	.30
420.56		2653.312		Mean Temp 41° 23. — } Rain cal over 0.49 (577.5)			

November 1860.

Nov.	Baro. meter	Wind.	Thermom. lowest 8 am	Thermom. highest 8 pm	Weather, &c.	Notes.	Rain.
Th. 15.	29.31	SW ₆ W ₄ W ₅ W ₂	44	48 50	Very rainy & blowing morning, less wind after 6: cleared off to a fine & bright afternoon, with flying clouds. Clear evening and more bleak. - Night clear.	Much rain & wind early a.m.	0.49 38
F. 16.	64	SW ₂ SW ₂ SW ₁	35	35 46	Very bright & little frosty: chiefly bright till 2 pm. Then hazy & stormy signs rising in diverging streaks from west horizon. - Thick evening.	*♀♀	42
S. 17.	52	E ₁ SE ₁ NW ₂ NW ₆	36	41 43	Very rainy dark, and thick exceedingly gloomy, and wet. and rain increased at eve with more wind. - Stormy & blowing night. Little snow.	☐☐4 Thunder Lightning in west 8 pm.	43 34
Su. 18.	78	NW ₅ NW ₃ NW ₂ NW ₄	33	36 38	Squally & some snow at 7 am, became fine & sun at times, but a very cold wind. Coarse evening, storms of snow, and sleet. - Night finer again.	valleys flooded. Distant Thunder.	03 06
M. 19.	08	NW ₃ NW ₂ NW ₁ Var. o.	32	32 40	Clear, very cold wind, but very fine and bright all day, and less wind. - Hazy evening, some fog, and frosty air. Very hazy night.	32½	
Tu. 20.	12	SE ₁ SE ₁ SE ₁	32½	36 43	Very hazy, with fleecy clouds, fine, and milder, and very little wind. Evening in part clear moonlight, but some clouds followed, & more wind.	moon 1 st Dr. 8.53 a.m.	37
W. 21.	01	SE ₄ SE ₅ SE ₆	35	35 43	Red morning, bright & windy till noon, afterwards cloudy, some rain, & more wind. Very blowing and wet evening. And hard rain chiefly all the night.	Distant Thunder. very wet night.	40
41.705		247.5303		Mean Temp 39°.32. - Rain cal. up - 2.13. (550.5.)			

November 1860.

Nov.	Baro. meter	Wind.	Thermom. lowest 8 am	Thermom. highest 8 pm	Weather, &c.	Notes.	Rain.
Th. 22.	29.50	SW ₃ W ₂ W ₀ W ₀	40	47 50	Almost continual hard rain the night past & till after 8 am, then fine & sun at times, and mild air. Fine evening, and in part clear. Foggy night.	great floods in the valleys.	42
F. 23.	72	W ₀ Var. o. NW ₁ N ₁	29	30 44	Thick fog & hoar frost, but clear upward. Much milder in the afternoon, low clouds & bright sun. Evening and night foggy.	☐☐☐	38
S. 24.	93	NE ₃ NE ₂ N ₀	38	39 41	Cloudy, more wind, very dull lowering sky, little rain at 3 & 4 pm, less wind, and the evening calm, but finer. and moon bright.	8 H ♀	06 38
Su. 25.	70	E ₃ E ₂ E ₁	33	36 38	Cloudy cold wind, and very gloomy, with sleet rain at times, and more in the evening. Finer again after 10 pm.	☐ H ♀	36 12
M. 26.	57	NE ₁ E ₂ E ₄	32½	35 39	Cloudy, cold, with rain at times, and more rain after sunset. Very wet evening and night, and more wind, but finer after midnight.		39 33
Tu. 27.	54	NE ₃ NE ₂ NE ₄	37	43 46	Cloudy, more or less all day, and fog at times, rain cleared in the afternoon, and more wind at eve, - but less in the night.	*4♀ valleys again flooded.	41
W. 28.	80	NE ₁ E ₂ E ₁	37	38 45	Clouds & sun, chiefly fair, and more drying all day. Evening fine, fleecy clouds, & bright moon.	☐ H ♀ Full moon 11.37 a.m.	40
41.591		246.5303		Mean Temp 39°.25. - Rain cal. over 3.06 (549.5)			

November 1860.

Nov.	Baro. meter	Wind.	Thermom. Lowest 8 am.	Thermom. Highest 8 pm.	Weather, &c.	Notes	Rain.
Th. 29.	30.02	E ₃ .	37		Cloudy, and cold wind, with a lowering sky, and stormy signs. more wind & very rainy from 5 pm till 7 pm.	wet Even?	3.06
	29.89	E ₃ .	42				
		E ₅ .		44			
F. 30.	-78	S E ₁ .	39		Close, cloudy, and rain at times; but finer in the afternoon: but a wet & squally evening.		.12
	-75	S E ₂ .	44				
		S E ₁ .		50			
	119.44		76	94	Mean 2 days 42.50.		3.40

Barometer.

Highest on the 6th - 30.62.
Lowest on the 15th & 17th - 29.31.
Range - 1.31
Mean of month 29.966.

Thermometer

Highest on 3rd pm - 52° -
Lowest on 23rd am - 29° -
range - 23°
Mean daily range 8° 65.
Mean of month - 40° 725.

Principal winds East, & N.E. gales on 4 days, fine days 15. Rain 3.40 Inches.

This was a seasonable month, with much downfall after the first week was past, even to the end, and some severe thunder-storms about the 17th and 21st, in some parts of England. A remarkable prevalence of Easterly wind during the month, yet the temperature was but little below the average. - Considerable sickness in many parts of Town & country, and an early fall of foliage, so as to exhibit winter's pictures at the close of the month. - Thunder on the 17th - 18th & 21st in some parts of England.

December 1860.

Dec.	Baro. meter	Wind.	Thermom. Lowest 8 am.	Thermom. Highest 8 pm.	Weather, &c.	Notes	Rain.
S. 1.	29.97	S ₂ .	39		Cloudy, and lowering, with a harsh wind, and more wind after 6 pm; blowing evening and night, but chiefly fair.	80H	
	-93	SSE ₃ .	44				
		S E ₅ .		48			
Sa. 2.	-88	S E ₄ .	42		Blowing & cloudy, with short gleams of sun. very bleak air & continued blowing in the evening. milder after 8 pm.		
	-79	S E ₄ .	43				
		S E ₄ .		46			
M. 3.	-75	E ₃ .	41		Blowing & cloudy more or less. little sun, and bleak air. very dark & cloudy evening, but milder, and a close night.		little snow, pm.
	-61	S E ₄ .	42				
		S E ₅ .		45			
Tu. 4.	-52	E ₃ .	42		Close & cloudy, very gloomy dark, and mild, with a little wet at times. The evening nearly calm, mild & quite overcast.	8H8	.03
	-52	E ₂ .	45				
		E ₁ .		48			
W. 5.	-49	S E ₁ .	45		Mild & foggy, very close & gloomy all day, and fog at times. and very mild evening: night clearer in part.	moon last Dr. 6 pm.	.02
	-53	S E ₁ .	47				
		SW ₁ .		49			
Th. 6.	-56	S E ₄ .	38		Lowering & more wind, dark and blowing day, with rain at times. wind strong at even, but less after 8 am, & finer.	Change and very blowing.	.13
	-31	S ₅ .	46				
		SSW ₇ .		51			
F. 7.	-37	S E ₂ .	45		Mild & bright, with flying clouds, more clouds in the afternoon, and a mild and blowing evening.	*H9	
	-22	S E ₄ .	45				
		S ₅ .		51			
	4.14.45		29.2338		Mean Temp 45° -		Rain cal over 0.18

(630)

December 1860.

Dec.	Baro. meter	Wind.	Thermom. lowest & highest am	Weather, &c.	Thermometer 8pm.	Notes.	Rain 10-18
S. 8.	29.12	SE ₃	44	Stormy sky, watery clouds, and sun, more lowering in the afternoon, and a blowing, evening, rain at times. Wet night, but wind less.	45		17
	28.97	SE ₄	46				
		SE ₅	49				
Sa. 9.	29.00	SE ₁	43	Much rain early till after 7 am, very lowering all day and rain at times. Evening finer, and more wind.	45		35
	-26	SE ₁	46				
		SW ₂	48	Some fog during night.	45		26
M. 10.	-53	W ₂	39	Foggy morn, but a very fine and sunny day, with very gentle wind. Cloudy evening, and rather foggy. - More so in the night.	42	Δ 8♀	
	-60	W ₁	42				
		W ₁	46				
Tu. 11.	-64	NW ₁	40	Very foggy, followed by rain from 9 am, and a cold and blowing afternoon, with rain at times. - Evening and night finer, & in part clearer.	40		17
	-91	N ₄	42				
		N ₅	43				
W. 12.	30.07	NW ₂	38	Clouds, and sun, cold air, and sleety showers at intervals. Evening finer, and partially clear. Star-light. Fine night.	40	new moon 0.48 pm. several meteors fell to W 6 pm.	07
	-13	NW ₁	41				
			43				
Th. 13.	-16	N ₁	36	Low clouds & sun, keen air and little rain at intervals, the evening fine, but cloudy more or less. A little frost during the night.	39		03
	-22	N ₁	38				
		N ₁	42				
F. 14.	-35	E ₀	33	Fine, and mostly bright, a light haze with some clouds, and scarcely any wind. - Evening more hazy, but fine, and quite calm.	36	□ H H	
	-36	E ₀	34				
		SE ₀	42				
41 6 32			27 3 31 3	Mean Temp 41° 85%.			Rain cald up 1.23.
			(586)				

December 1860.

Dec.	Baro. meter	Wind.	Thermom. lowest & highest am	Weather, &c.	Thermometer 8pm.	Notes.	Rain 1-23
S. 15.	30.32	SW ₁	31	White frost, & little fog, soon cloudy & hazy, rain & cold air. Foggy afternoon little rain. - Milder evening & very foggy, and calm.	40	warmest after 7 pm.	04
	-31	NW ₁	32				
		Var. 0.	40				
Sa. 16.	-13	NW ₂	34	Cloudy, some fog, gloomy, and rain at times after 10 am. very unpleasant, cold and raw atmosphere. Very wet evening, and night.	37	wet eve.	30
	29.92	NW ₂	36				
		NW ₃	41				
M. 17.	-78	NE ₃	33	Rain & snow, till 8 am, then finer. with sun & cold wind continued bright till 3 pm. then distant snow clouds in NE, & stormy sky. Snowy eve.	35	snow & rain, early	05
	-72	NE ₃	33				
		NW ₂	39				
Tu. 18.	-66	NW ₂	27	Snow & sharp frost, bright from 9 am, till 1 pm, then cloudy & hazy for a time. Evening partially clear, and the frost considerable.	28	Δ 04	0
	-62	W ₂	27				
		SW ₁	32				
W. 19.	-53	SE ₀	22	Very sharp frost, fog below, clear above, bright most of the day, and very little wind. Keen air at sunset. Therm 27° at 6 pm, but 3 higher at 8 pm.	30	gilded rocks on SE horizon 8 am.	
	-56	SE ₂	22				
		SE ₁	33				
Th. 20.	-74	NE ₂	22	Sharp frost, little snow, bright at times, with short falls of snow intervening. - Heavy snow all the evening, & some in the night.	30	moon 1 st Dr 6.10 am. much snow.	0
	-93	NE ₂	24				
		N ₃	33				
F. 21.	-95	N ₃	25	Chiefly cloudy, with snow, and very heavy at times all day, and wind gusty. Cloudy night and less frost, also less of snow, & chiefly fine night.	30	8 H 8 much snow.	0
	-92	NW ₅	27				
		NW ₅	31				
		N ₃					
41 8 09			19 5 24 9	Mean Temp 31° 71%.			Rain cald over 1.62
			(444)				Snow 4 inches deep on 21 st .

December 1860.

Dec.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	Notes	Rain. 1.62
S. 22	29.88	N ₂	29.2	31	Cloudy, less frost, more or less cloudy all day, very little snow & much less wind. Evening rather clearer, and more frosty, but some clouds at times.	□ 4♀ □ 1♀	0
Su. 23	-77	NW ₁ W ₁ SW ₀ Var. 0.	22 25 28	30	Chiefly clear, & sharp frost, some grey clouds in the day, little fog below, = 4 pm Therm. 25° = 6 1/2 pm 20. 8 pm 15°, & on the snow 10 1/2°. Lowest in usual spot at 11 pm 12°. Then hazy. - 15	Severe frost, and more so at Eve.	
M. 24	-49	W ₁ W ₂ Var. 0.	12 24	27 1/2	Very hazy, & less frost since midnight, but again severe & chiefly bright from 10 am, all day. 3 1/2 pm 22°, and at 5 pm 18°. Very severe evening, and clear, and awfully severe night. - 13	Dreadful severity	
Tu. 25	-52	Var. 0. NE ₀ NE ₁ 2.	3 below 0. 3 below 0.	22	Most excessively severe since frost clear above, & haze below. Very bright till after 1 pm, but became hazy, & thick soon after, and very thick all the evening, with more wind. - 25	3 below zero, till 9 am! changed from 3 pm.	
W. 26	-60	W ₁ NE ₁ NE ₀ E ₂ .	25 28 33	24	Overcast little snow, & less cold. became bright at noon, & so continued. Clear & severe evening, the frost again much increased, till 8 then abated & haze came on, (17 at 7.) - 24	more hazy & wind after 8 pm	
Th. 27	-62	E ₅ E ₄ NE ₃	17 29	32	After severe evening, changed to cloudy & blowing and so continued all day, but still freezing hard. The evening also cloudy, and like the day. Less wind in the night, and more frost. - 28		
F. 28	-95	NE ₁ NE ₁ NE ₀	24 24 32	16	Continual hard frost, grey clouds & little granular & stelliform snow. Brighter & sharper P.M., & no wind. Very severe evening, quite calm, & at times clear. - 16	Full moon 3. 17 am.	
415.97		1263.2085		Mean Temp 23.92.) Rain cal. up - 1.62			
		(335)					

December 1860.

Dec.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	Notes	Rain. 1.62
S. 29	30.46	NE ₀ SE ₁ SE ₆	8 11 31	29	Extremely sharp frost, no wind but light haze. Little wind after 11 am, & light clouds from SE. Cutting wind all the afternoon, and very blowing evening, but less cold. - 29	Δ ON No 27° at 5 pm but rose since.	
Su. 30	29.72	SE ₇ SE ₃ SW ₀	27 32 36	33	Hard gale, & drifting snow from 4 am, afterwards sleet & rain, from 9 am, concluding with rain only & less wind. From 2 pm fine & very foggy, thawing fast. - 33	Snow sleet rain & thaw.	80
M. 31	-74	NW ₀ NE ₁ E ₂ .	32 34 35	33	Very foggy, and nearly calm, continued fog all day, and but little thaw. The evening nearly as the day, but more wind. - 33	rainy from 9 pm.	15
179.64		67.102		Mean Temp 3 days 28° 16. -) Total rain 2.57			

Barometer.

Highest on 29th — 30.46
Lowest on 8th — 28.97
Range — 1.49
Mean of Month 29.749

Thermometer.

Highest on the 6th & 7th — 51° —
Lowest on 25th — 0° — 3
Range — 54° —
Mean daily range — 8° 22.
Mean of month — 34° 90.

Prevailing winds the SE, and NE. — Gales on 3 days.
Fine days 13. — Rain 2.57 Inches.

The first week of this month was mild, but all the rest of the month was remarkably cold, and the excessively severe frost on Christmas Day will long be remembered as the greatest cold ever recorded in England! The Thermometer 3 below zero at Thwaites, 6 1/2° below zero in the Thornham Hall Gardens, and about the same in some other parts of Suffolk!

Summary notes on the Year 1860.

The main features of this extraordinary Year, were its wetness, stormy state, and low temperature. — Above all with the extreme cold of Dec 25th be remembered, as surpassing all before recorded here! —

The Highest Barometer for the Year occurred on the 13th & 14th of February — when it was 30.63, and on the 6th of November — 30.62 Inches. —

The Lowest state happened on January 24th when it was 28.82. Inches. —

Hottest Days, May 21st Therm 75°; 22nd 74½, and July 17th 74°. — And the coldest was the memorable 25th of December, Therm from 3° to 7° below zero in Suffolk, and at Beeston, Nottinghamshire, more than 8 below Zero!

The number of fine days in the Year only 174, which is not half the number of days in the year: — and the Total fall of rain amounted to 36 Inches, and 2 tenths! — This is the greatest I ever noted, being 14½ above usual average, and 21 above the amount for 1840!

General Results, 1860.

Table of the Winds. —									Number of	Fine	Depth	Mean	Mean	Mean
1860	E.	W.	N.	S.	NE.	SE.	NW.	SW.	Gales.	days.	of Rain.	Barom. etc.	Temper. actual	Daily Range.
Jan.	3	3	1	3	0	7	4	10	5	13	3.95	29.745	38°36	8°69
Feb.	1	3½	0	½	7½	3½	9½	3½	6	10	1.33	30.03	35°03	9°98
Mar.	0	6	1	4	2½	3½	6½	7½	5	9	3.56	29.87	40°87	12°22
Apr.	3	1½	2	0	8½	5	5	5	4	16	1.03	30.04	44°34	16°38
May.	1½	7½	0	2½	5	7½	½	6½	3	18	4.27	30.03	55°87	18°20
June.	1	3	½	3	1	4½	1½	15½	1	11	5.20	29.87	57°64	13°68
July.	1½	3½	3½	2½	4½	3½	7	5	0	19	2.14	30.12	59°774	14°19
Aug.	0	8½	1	2½	0	3	3	13	2	12	4.44	29.82	60°14	12°20
Sep.	1	5	1½	2	8	5½	1	6	2	17	2.32	30.01	55°72	14°38
Oct.	1	8	0	5	2	7	2½	5½	4	21	1.99	30.015	52°06	11°29
Nov.	11	2	1	0	7	3	4	2	4	15	3.40	29.966	40°725	8°65
Dec.	2½	2	3½	½	6	10	5½	1	3	13	2.57	29.749	34°90	8°22
1860.	26½	53½	15	25½	52	63	50	80½	39	174	36.20	29.938	47.952	12°34

The fall of rain as named in foregoing page exceeds all in my own records, and the Temperature below that of any year for a long time past, very much under recent years, and full 2 degrees below our usual average. —

Conclusive remarks on 1860.

The Year 1860 proved the rule of compensation, inasmuch as it amply made up for the great heat and dryness, of the several previous years. That it would do so, we had not only anticipated, but even predicted in my Almanack, and it truly was a most anomalous and trying year. —

Yet after all our fears for the crops, there was more and better supplies than looked for, and far greater bulk, and better condition than in 1799 or 1816, when the seasons were so distressing before. —

Thus there remains matter for contentment and gratitude, showing that for the "Ten's sake, the city is not destroyed"! And now let the Nation rejoice, give thanks, and chant the praises of Him "who doeth all things well"! — Amen. —

Oliver Whistcraft

Thwaites,
Dec 31st 1860.

January 1861.

Jan.	Baro. meter	Wind	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	Notes	Rain.
Tu. 1.	29.30	S 3. E 6. ENE 6 NE 5.	33 39 39		Overcast, fog, and hard rain all the morn'g till about 9, then wind veered to E, blowing hard, fog gone, & fine. Keen freezing wind in the Evens, but fine. { very great flood on marshes.	☐ h ♀ Δ + ♀ Therm 8 pm down to 33° —	47 very great flood.
W. 2.	30.12	NE 4. NE 4. NE 1.	26 27 31		Clear, & sharp wind frost, continued bright, and piercing wind all day. Evening chiefly clear less wind, and harder frost. Fine night, & in part clear. —	hard frost.	
Th. 3.	35	NW 0. Var. 0. W 2.	21 26 32		Very hard frost, grey clouds, and sun, and very little or no wind. Calm evening, at times thick and at others clearer, and gentle frost. — Fine night. —		
F. 4.	23	W 1. NW 1. NW 1.	27 1/2 28 35		Grey clouds, & gentle frost, chiefly cloudy & milder in the afternoon. Little snow at times. Even'g closer, and very rainy after 8 pm. —	moon last Ev. 1.54 am. raining Evens.	18
S. 5.	17	NE 3. NE 1. NE 0.	28 28 30		Cloudy with snow, & frost renewed early a m. Clear afternoon, & fine. Sharp frost from 3 pm: and chiefly clear in the night. —	☐ ♂ ♀ snowy morn.	0
Sa. 6.	15	W 2. NW 2. NW 1.	17 19 27		Severe frost, & clear, with a little breeze, followed by snow at times after 9 am. in frequent heavy falls. Clear & sharp at 5 & 6 pm, afterwards heavy snow. —	Therm at 4 pm 21° — 8 & 6 pm 17°	much snow.
M. 7.	05	NW 2. W 1. ESE 2. NE 1.	17 25 30		Cloudy with snow at times & sharp frost. Very heavy snow at noon, fine P.M. cleared after 4 pm. — Severe Evens, fog below, clear above. 6 1/2 pm 18, and at 9 pm 8 1/2° —	Much snow. — Extremely severe night.	0
421.50			169.5	224	Mean Temp 28°/107. Rain cal'd over 0.65		
			(393.5)				

January 1861.

Jan.	Baro. meter	Wind.	Thermomet. lowest 8 am	Thermomet. at 8 pm.	notes.	Rain. 0.65
Tu. 8.	30.35	Var. 0. S E 1. S E 2. S E 1.	below zero 0	25	Excessively severe frost, clear above & fog below, thick rime on the trees, &c. Little wind came on at 1 pm, but still clear. Clear even 3, little breeze and less frost than last evening. But a very severe night. 19	1 below zero by Ft. Therm. till 8 am.
W. 9.	30.37	S E 1. S E 1. Var. 0.	9	26	Clear, & very severe frost, quite clear all day, very little wind, and near the same kind of atmosphere as before. 6 pm Th 16° 8 pm 9° - 10 pm 7°, & quite clear. 9	continued severity.
Th. 10.	30.37	Var. 0. E 0. SW 1. SW 0.	4 7	24	Chiefly clear, sed haze, & extremely severe frost. became foggy from 9 am. More clouds & haze from 1 pm, but continued very severe. 5 pm 17° - 6 pm rising. Overcast. 20	extremely severe, all the day, less so after 5.
F. 11.	30.40	SW 0. SW 1. SE 1. SW 1.	1 1/2 25 33	33	Cloudy, fog, & rime, frost less but still severe. More cloud & fog in the afternoon, & much less frost. Freezing again part of the evening afterwards foggy & milder. 21	no moon 3. 2 1/2 am. Δ 1/2 8
S. 12.	30.25	S 2. S 3. S 2.	27 33 35	33	Overcast, gentle thaw, and little foggy, with more wind, and little misting after 4 pm. Misting evening, but more inclined to freeze slightly. 33	gentle Thaw.
Su. 13.	29.90	S 2. SSE 2. SE 1. E 0.	32 32 33	33	Little sleety rain, followed by snow from 10 am; gentle snow & hail at times, finer evening & frost, but cloudy till 7, then clearer, no wind & sharper frost. 26 1/2	0
M. 14.	30.01	E 1. E 2. E 4.	20 26 30	29	Hard frost, but became cloudy, and hazy at times, more wind and clouds after 3 pm. Stormy sky and threatening snow. Blowing & freezing all night. 29	Δ 4 1/2
422.90		108.5 206.5 315.		Mean Temp 22° 5' 1 Rain cald up 0.68.		

January 1861.

Jan.	Baro. meter	Wind.	Thermomet. lowest 8 am	Thermomet. at 8 pm.	notes.	Rain. 0.68
Tu. 15.	30.17	E 6. E 5. ENE 4.	26 26 29	23	Clouds & sun, rough & piercing gale, & hard frost, clearer after 3 pm, & chiefly bright, & less wind. Clear evening, and very sharp wind and freezing hard. Fine night. 23	Bitter Siberian blast.
W. 16.	30.29	NE 2. NE 1. N 1.	20 22 30	26	Grey clouds & sun, very hard frost, became very bright after 9, and so continued, with less wind, till 12. then cloudy, little snow after 4 pm. Little thaw during night. 30	* H 3
Th. 17.	30.26	NW 1. NW 1. NW 1.	28 34 36 1/2	33	Cloudy, gentle thaw, thick and hazy atmosphere, and some fog at times, and little gentle rain. Fine evening, clearer, & again freezing, but gentle. 32	Little Thaw.
F. 18.	30.38	Var. 1/2. W 1. S 1. SW 0.	31 32 36	34	Little snow, & slight frost, but became cloudy, thaw, and little wet at times falling. - Calm & overcast evening, but fair, and a little frost. 31	Little Thaw.
S. 19.	30.31	SW 2. SW 3. SW 2.	31 33 34 1/2	29	Cloudy, and dark atmosphere nearly the same all day, but fine. The evening also very fine. cloudy, and sleet, hail, & rain after 7 pm. - gentle thaw. 32 1/2	moon 1 1/2 2 1/2 4 am.
Su. 20.	30.28	W 2. W 0. W 0.	32 1/2 36 38 1/2	53	Cloudy, foggy, & thawing, very thick fog all the afternoon, and wind gone. - Excessively dense fog continued all the evening. - Fine but foggy night. 34	Thaw, & great fog.
M. 21.	30.51	SW 1. SW 4. SW 1.	33 38 39 1/2	49	Very foggy, and nearly the same till 1 pm, then clearer, and continued thaw. The evening clear, and less wind again, but no frost. More wind after 8 pm. 35	puere all the night.
424.67		201.5 244 445.5		Mean Temp 31° 82. Rain & over 0.86.		

January 1861.

Jan.	Jan.	Baro. met.	Wind.	Thermometer 8 am. & highest	Weather, &c.	Thermom. at 8 pm.	notes	Rain.
Tu.	Tu. 22.	30.4	W ₃ W ₂ W ₁	33 33 42	Chiefly clear, partial frost in the morn'g, fine, bright day, light clouds, & little wind. Clear & frosty Evening, and moon very bright. - Fog in the night.	32	snow much wasted.	0.86
W.	W. 23.	32	W ₂ W ₂ SW ₁	30 31 35	Hoar frost, then fog at times, and a dark and cloudy sky, cold, and raw air. Very foggy Evening, but milder, & little misting part of the night.	35		
Th.	Th. 24.	19	S ₃ SSE ₄ S ₂ S ₁	32 33 41	Very foggy & little rain, but cleared off at 10 am, bright with brisk wind, and mixed clouds. Evening cloudy, less wind, and milder air.	38	most of the snow gone.	0.3
F.	F. 25.	02	SE ₅ S ₄ SSW ₃ SW ₃	37 44 52	Cloudy, blowing and mild, some sun at times, but mostly cloudy and great rise of temperature in the afternoon, and the Evening very mild and cloudy.	45	$\Delta H \frac{1}{2}$ gloved on the vales. Acornite flowers.	
S.	S. 26.	14	SW ₅ W ₃ WSW ₃	45 47 50	Squally with rain at 3 & 4 am, then fine & clear morn'g with a drying breeze, chiefly bright all day, but a little hazy, with light plane clouds. Evening cloudy.	45	Full moon 5.6 pm.	23
Su.	Su. 27.	30	SW ₂ SW ₁ SW ₂	43 47 50	Hazy & mild, grey clouds, and gleams of sun, but a pleasant, and fine day, - and the Evening similar to the day. - More wind during night.	42	$\Delta \odot H$	
M.	M. 28.	31	S ₃ SW ₂ SE ₁	40 40 47	Foggy at times, grey clouds, & sun, very fine, and the sun very red through the haze in the afternoon. - Still Evening fog below, clear zenith.	36	$\square \frac{1}{2} H$	
423.69		26.05		31.7	Mean Temp 41° 25'. - Rain cal up. 1.14			
				57.75				

January 1861.

Jan.	Jan.	Baro. met.	Wind.	Thermom. 8 am. & highest	Weather, &c.	Thermom. at 8 pm.	notes	Rain.
Tu.	Tu. 29.	30.31	SE ₁ SE ₂ SE ₁	31 33 47	Clear at first & hoar frost, afterwards foggy from 7 $\frac{1}{2}$ am; again very bright after 9, & all day, with a little breeze. Clear, and star-light Evening.	36	$\Delta H \frac{1}{8}$	1.14
W.	W. 30.	21	SE ₁ SE ₂ SE ₂	30 32 38	Fog, & hoar frost, very foggy, all day cold, raw, and unpleasant, and a fresh breeze all the afternoon. Cloudy Evening, and some fog.	37	Acornite flowering	
Th.	Th. 31.	26	S ₃ S ₄ S ₃	37 41 43	Overcast, and very foggy, damp, raw, and gloomy. Clear about noon, and foggy again afterwards. Clearer in the Evening, but stormy looking.	37		
181.50		98.128		Mean Temp 3 days 37° 66'. Total Rain - 1.14.				

Barometer.

Highest on 21st - 30.51.

Lowest on 1st - 29.30

Range - 1.21

Mean of Month 30.23

Gales on two days only - 1st & 15th.

Thermometer.

Highest on the 25th - 52°.

Lowest on the 8th - 0° - 1.

Range - 53°.

Mean daily range - 8.74

Mean of month - 31° 57'.

Fine days 17; rain 9 days; snow 5 days. Depth of rain 1.14. Winds much divided, most from SW to NW, & SE to NE.

This was the coldest January for 19 yrs past, with a very great mortality among aged people. A high Barometer and but little fall of rain, but the cold was at times excessive, and the fall of snow considerable. The mean temperature much under average, and were it not for the few mild days near the 25th - it would have been the coldest month, and lowest mean for very many years!

February 1861.

Feb.	Baro. meter	Wind.	Thermom. lowest 8 a.m.	Thermom. highest 8 p.m.	Weather, &c.	notes.	Rain.
F. 1.	30.24 -22	S 2. SW 4. SW 6.	34 39 52		Cloudy, and blowing, but less wind after sunrise; became clearer at 11 a.m.: mild & sunny afternoon, & again windy. The Evening very blowing & squally.	45	
T. S. 2.	-67 -71	W 2. W 2. W 2.	33 34 43		Clear, bleak air, bright and drying day, very few clouds, but some very red streaky clouds after sun set. Evening rather hazy, but a fine night.	moon last 20 9.59 a.m.	
Su. 3.	-52 -38	SW 3. SW 3. SW 2.	33 1/2 35 45		Hazy, but bright, & drying wind. very fine day, but a stormy looking sky, and much cirrostratus in horizontal bands. Evening more clouded over.	☐ ♂ ♀	
M. 4.	-70 29.94	SW 5. SW 6. SW 5.	35 36 46		Blowing morn'g, but less so after 7 a.m. bright till 2 p.m. more wind and clouds afterwards, stormy & darker, but fine here. Hazy Evening & less wind.	snow-drop flowers.	
Tu. 5.	-82 -67	SW 4. SW 5. S 5.	42 45 46		Snowing & wind gusty, cloudy all day, and squally (wind, very blowing, and darker clouds all the Evening and night, & a very little rain.	Acornite in full flower.	
W. 6.	-50 -50	S 6. S 5. S 5.	42 45 50		Blowing & little rain, very squally day, but chiefly fair, and some sun the afternoon very fine and sunny, but windy as before. Less in the night, fine & more calm.	♂ 2 ♀ * ♂ ♀	
Th. 7.	-65 -72	SW 2. SW 3. SW 1.	37 40 49		Fine morn'g, in part clear, very drying day, fresh breeze, bright sun, and flying clouds. Evening hazy, with less wind, and a fine night.	Δ 4 ♂	
420.64		2563 331		Mean Temp 41°.96.) Rain cal up 0.03			
		(5875)					

February 1861.

Feb.	Baro. meter	Wind.	Thermom. lowest 8 a.m.	Thermom. highest 8 p.m.	Weather, &c.	notes.	Rain.
F. 8.	29.74 -70	SE 2. SE 2. SE 3.	37 41 45		Cloudy & hoxy, very little sun, and raw air, more foggy after 4 p.m. Very cloudy evening, and more wind, but a fine night.		0.03
S. 9.	-72 -98	SE 1. E 2. NE 4.	39 41 46		Cloudy, calm & mild morn'g but continued chiefly cloudy & cold wind after 11, afternoon colder. Day blowing Even'g & some rain, but fine night.	new moon 8.5 p.m. strong gale at Eve.	0.02
Su. 10.	30.29 -38	NE 6. NE 5. NE 1.	36 36 42		Cold and blustering, with sun & flying clouds, but chiefly very bright, & drying. Even'g clear and frosty, and wind gone. Fine night till after 12.	804	
M. 11.	-68 29.91	NE 2. NE 3. NE 2.	30 31 37		Frost, & short squalls of snow, some hail & sleet in sudden falls, & sun between, very cold all day, and freezing Evening. Cloudy & snow in the night.		
Tu. 12.	-70 -76	NW 3. W 1. W 1. SW 0.	27 28 32 1/2		Snow early a.m., fine day, the forenoon cloudy, but the afternoon bright. Clear Evening, and sharper frost, and the night near the same.		
W. 13.	-72 -77	NE 0. SE 1. E 1.	21 28 38		Sharp frost, but less after day light, cloudy & little snow, at 8 a.m.: fine but cloudy afterwards, & milder, some rain & snow in the Even'g.		0.05
Th. 14.	30.22 -65	SE 1. SE 2. SE 4.	29 31 40		Very foggy, & little frost, fine and clearer after 10 a.m., hazy, but at times bright; Cloudy, damp and blowing Evening. Some rain in the night.	8 1/2 ♀	
419.22		2192805		Mean Temp 35°.67.) - Rain cal over 0.10			
		499.5					

February 1861.

Feb.	Baro. meter	Wind.	Thermom. low 8 am high	Weather, &c.	Thermom. 8 pm.	notes.	Rain. O'10.
F. 15.	29.82	SE ₂ 36 S ₃ 42 S ₂ 47		Rain between 1 & 5 am, and at times after till near 7 am. Fine day, cloudy with little sun, and fresh breeze. Night in part clear.		☐ H ♀	.40
S. 16.	.70 .91	S ₃ 37 SW ₂ 43 SW _D 50		Close & cloudy, with brisk wind till noon, bright afternoon, mild & less wind. Fine, calm, & pleasant evening; close night.			
Su. 17.	.97 .90	S ₀ 43 SE ₃ 46 SE ₂ 53½		Close, mild, & calm, became very pleasant, with grey clouds, and sun: continued bright, but more wind. Became cloudy at 4 pm, and the evening nearly the same. Night clearer.		Δ H ♀	
M. 18.	.79 .82	SE ₂ 39 SE ₂ 42 SE ₁ 51		Bright with heavy clouds, clearer in the afternoon, chiefly sun, and loose cumuli clouds. Evening fine & less wind, and in part clear. Fine night.		moon 1 st Dr O. 19 am.	
Tu. 19.	.77 .83	SE ₂ 40 SE ₂ 43 SE ₁ 51		Close & cloudy morning, clearer after 10. fine & mild, and sun at times, some hazy, and mixed clouds. Hazy & red sunset, moon in a halo.			
W. 20.	.77 .69	SE ₁ 39 SE ₃ 41 S ₅ 4½		Fog at 8 am, bright from 8½ to 10, then cloudy & windy. Very blowing evening, & little rain, and strong gale all the night at times: most after 12.		very squally evening, and night.	
Th. 21.	.54 .30 41.658	SW ₇ 43 SW ₄ 46 S ₆ 53½ SSE ₇ SW ₈		Hard gale at 1 to 3 am, and a flying storm of rain. Fine and sunny forenoon; but a dark wet & blowing afternoon, and evening. Violent gale from 8 pm. Mean Temp 45° 03. Rain cal. up 0.71		* O ♂ Stormy, & hard gales. violent at 8 & 9 pm.	.07

February 1861.

Feb.	Baro. meter	Wind.	Thermom. low 8 am high	Weather, &c.	Thermom. 8 pm.	notes.	Rain. O'10.
F. 22.	29.73	SW ₃ 41 SW ₂ 43 SE ₁ 52		Hazy, but fine & less wind, mild and fine day, but a threatening sky, and very hazy in the evening, and night but fine. and very little wind.		swarms of gnats very playful outdoors.	
S. 23.	.72 .70	E ₁ 42 SE ₁ 44 SE ₁ 49		Fog followed by hard rain till noon, and at times all the rest of day; very close evening, & somewhat foggy. Again rain after 12 pm, and more wind.		gnats annoying indoors.	.31 .13
Su. 24.	.87 30.12	N ₅ 40 NNE ₃ 40 NNE ₃ 43 N ₃		Blowing, & hard rain all the morning from 1 am, and almost continual rain all the day, with less wind. The greatest floods for many years on the vales.		8 O H very great floods.	1.33
M. 25.	.26 .28	N ₂ 39 NE ₁ 41 E ₁ 44		Clouds, & little wet at 8 am, finer in the day, but cloudy, & the evening the same. Clearer in the night, and more inclined to frost.		Full moon 4.43 am.	.03
Tu. 26.	.24 .28	NW ₂ 34 NE ₂ 35 NE ₀ 49		Bright with heavy cirrostratus, followed by fog at 9 am; but afterwards again bright with cool breeze. Evening calm & clear. Some fog & frost in the night.		Δ H ♂ ☐ H ☐	
W. 27.	.19 .01	S ₂ 32 SW ₃ 36 SW ₁ 48		Dripping fog, cleared off after 9, bright with flying clouds, and a stormy looking sky. Hazy evening. Aurora bright in North.		8 2 ♀ little rain with fog in the morning.	.02
Th. 28.	29.84 .95 41.997	S ₃ 36 SW ₃ 42 W ₃ 49 NW ₂ SW ₁		Overcast & rainy at times all the morning, till it cleared off at 10 am, then bright with rocky clouds, & distant hail showers. Electric clouds from 2 pm.		upper current S, & lower W.	.26
				Mean Temp 42° 714. Total Rain 2.77 (598)			

Results for February 1861.

Barometer.	Thermometer.
Highest on the 2 nd 30.71.	Highest on 17 th & 21 st 53.5
Lowest on 21 st 29.30.	Lowest on 13 th am 21°
Range 1.41	range 32.5
Mean of Month 29.935.	Mean daily range 10.44
Hard gales on 5 Days.	Mean of Month 41.343.
	Nearly 10° above previous Month.

Fine days 17, Depth of rain 2.79 Inches. Prevailing winds the S.W., and S.E. on the whole a mild month.

This was on the whole a good seasonable month, with but little severe cold, and chiefly fine during the first three weeks; much in favour of the labour in fields and gardens. A great change took place on 21st, and much rain followed, with unusual floods on the 24th Evening. — The rest of the month unsettled, electric and inclined to storm, and rain, with some bright intervals.

The Public Health good for the season, but some deaths among the very aged, as many lingered under the effects of the severe cold of previous two months, as very many died then from the same cause. Infants also, and children up to 6 years old became fatally affected by it. Such is the havoc of low temperature among the very young, and the very old in general. — Vegetation made a considerable start during the 3rd week, and had the effect of cheering us with profusion of snowdrops, aconites, and primroses; while the birds became very tuneful, and lively, led by instinct to anticipate Spring! —

March 1861.

March	Baro. meter	Wind.	Thermom. Lowest 8 am Highest	Weather, &c.	Thermom. 8 pm.	notes	Rain.
F. 1.	29.84	SW ₄	36	Squally wind & rain at times, but mild, with some bright intervals. Very stormy looking sky all day, & evening the same.			.08
		SW ₅	42			very blowing night.	.06
	.61	SW ₅	52	Hard gale & hail at 9 1/2 pm.	47		
S. 2.	29.88	W ₅	36	Clear & blowing morn'g, more hazy in the day, but chiefly sun, & less wind. — More hazy from 2 pm, and a wet Evens, & more wind.	43	moon last Dr 7.16 pm.	.25
	.90	SSW ₄	39		47		
Su. 3.	29.56	SW ₇	42	Strong gusts of wind, but clear & mild morn'g, blowing very hard through the day, with clouds, & flying showers at 2 pm. Fine Evens, less wind, & stars bright.	41	very blowing all day, but mild air.	.04
	.98	W ₇	53		54		
		NW ₆	3.				
M. 4.	29.97	NW ₄	37	Stormy shower 5 am, cold & blowing day, much cloud and sun between, with little flying shower at 4 pm. — Fine night, less wind, & partial frost. —	38	colder wind.	.06
	30.18	NW ₄	40				.03
		NW ₂	46				
Tu. 5.	29.34	SW ₁	33	Hazy, cloudy, and very raw, & chilly atmosphere, wind again rising after 10 am: but much milder from 4 pm, all Evening, and warmest after 8 pm! —	47	Dark & raw. warmest after 8 pm.	
	.72	S ₃	35				
		SW ₃	48				
W. 6.	29.98	SW ₅	43	Windy with flying clouds, and blue haze at times, but a warm atmosphere. Violent gales & rain at 6 & 8 pm. Night finer, and in part clear. —	43	blowing but mild. stormy Even'g.	.13
	.66	SW ₆	46				
		W ₈	54 1/2				
Th. 7.	29.97	W ₄	38	Clear, and brisk wind, continued very fine, & chiefly bright with grey clouds, & drying air. Evening cloudy, & calm, the wind all gone since 4 pm, — but rose again after 9 pm.	43	very fine & drying.	
	30.23	W ₂	40				
		W ₀	49 1/2				
	41.922		265351	Mean Temp 44.00. —		Rain cald over 0.65	
			616				

March 1861.

March.	Baro- meter	Wind.	Thermom. 8 ^h am	Thermom. 8 ^h pm.	Weather, &c.	notes	Rain
F. 8.	30.03 -08	W ₃ . 42 W ₄ . 51 WSW ₄ . 59			grey clouds, with sun, and a drying breeze; at times gusty, and yet very warm. The evening the same. Wind slowly abated during the night.	very warm & pleasant. Crocus flowering.	0.65
S. 9.	-39 -47	W ₂ . 37 W ₂ . 40 W ₂ . 52			Clear, very fine, and bright all day, with a drying breeze, and a few light clouds. More hazy at sunset, and the wind gone. Aurora bright 9 pm.	violets full in bloom. Brilliant Auroras.	
Su. 10.	-08 29.61	SW ₃ . 38 SW ₅ . 45 W ₄ . 58			Clouds, gusty wind, and dark sky, till near 10, afterwards bright, and warm, with electric clouds, again clouded & blowing from 3 pm and showery at 6 & 7.	very Electric clouds all day.	0.05
M. 11.	-40 -33	W ₄ . 38 W ₅ . 42 W ₃ . 44			Squally, with heavy gusts of wind and much large hail, sun at times bright. Very cold stormy day. Rain & hail at 5 pm, then fair & clearer. Some wind all night.	new moon 1. 37 pm. 8 ♀	0.03 0.04
Tu. 12.	-40 -48	W ₃ . 33 W ₂ . 38 W ₁ . 48			Cloudy more or less, with sun at times. Storms with hail in the afternoon, & sharp Thunder & lightning, till after 4 pm. - Finer & calmer evening.	severe Thunder & hail 3 1/2 pm.	0.05
W. 13.	-70 30.17	NW ₃ . 36 N ₄ . 38 N ₂ . 46			Squalls of wind, hail & rain, with sun between. a very rough day, and chilly air. Evening finer, and a little frost during the night, and wind gone.		0.06
Th. 14.	-32 -28	W ₁ . 29 W ₂ . 34 SW ₃ . 51 S ₁ .			Frost past early, very bright morning, and fine sunny day, more electric after 2 pm, some clouds, and wind veering back. Evening rather hazy, and less wind.	☐ H ♀	

41.874 25333583 Mean Temp 43° 73. Rain cal up 0.88

612

March 1861.

March	Baro- meter	Wind.	Thermom. 8 ^h am	Thermom. 8 ^h pm.	Weather, &c.	notes	Rain.
F. 15.	30.12 -27	SW ₃ . 40 W ₄ . 46 W ₂ . 52 SW ₁ .			Blowing but mild, flying clouds, and sun. - Day drying air, and rather more blustering in the afternoon, but the evening fine, hazy, & nearly calm.	very dry- ing day.	0.88
S. 16.	-12 29.97	S ₃ . 33 SW ₄ . 37 W ₂ . 46			Clear, frosty morning, but soon cloudy, blue haze, and wind, followed by rain at noon, and at times all pm, - ending with storm of hail at 5 pm. fine eve.	☐ 4 ♂ 6 0 ♀	0.73
Su. 17.	30.01 29.48	S ₃ . 32 SW ₆ . 36 SW ₇ . 43 W ₃ .			Raw & cold, hazy atmosphere, followed by gale and rain, from 10 am, cold & rough all day. - Heavier rain after 3, and very heavy at 5. Then finer.	very boisterous and wet. very heavy rain at 5 pm.	0.43
M. 18.	-45 -45	W ₅ . 33 W ₃ . 37 SW ₁ . 45			Clear & blowing morning, mostly sun till after 2 pm, & flying clouds. Some distant showers after 3, & darker clouds. Hazy even, and very little wind.	white-thorn leaf-open.	
Tu. 19.	28.99 29.23	W ₆ . 36 W ₅ . 42 NW ₂ . 48			Stormy rain in drifting squalls, at 5 am from S, afterwards West. continued squally, some rain, and some sun at times. Finer even, and night, and much less wind.	moon 1st Dr 5. 32 pm.	0.32 0.17
W. 20.	-68 -32	NW ₃ . 36 W ₄ . 42 SW ₃ . 49 SW ₅ .			Bright at first, fine forenoon - but some hazy clouds, with sun. Overcast after 2 pm, and rain at times, and very heavy at 7 pm & till 8. Then fine.	Equinox 9 - heavy rain 7 to 8 pm.	0.32
Th. 21.	-32 -49	W ₅ . 35 W ₅ . 39 W ₃ . 47			Blowing, & bright morning, any rocky towering clouds, hail, & Thunder 4 pm; clouds very dense & formidable. - Evening fine & clear, with keen air.	* ♂ ♀ loud Thunder 4 pm. little Hail.	

41.490 245331 Mean Temp 41° 142. Rain cal over 2.25

576

March 1861.

March	Baro- meter	Wind.	Thermometer lowest 8 am	highest	Weather, &c.	Thermometer 8 pm.	Notes.	Rain. 2'25
F. 22.	29.62	W ₆ .	33		Blowing, but clear at first, afterwards clouds & sun; warmer afternoon, and less wind.		very dry- ing day.	
	-94	W ₃ .	38		Evening nearly calm, and chiefly clear. - Great changer. -	41		
		W ₁ .	51					
S. 23.	-94	SW ₁ .	36		Very fine, with light clouds, grey haze, and sun at times.		♂ ♀ ♀	
	-97	SW ₂ .	43		Clear moon-light Evening, & very little wind, and the night nearly the same. -	43		
		S ₂ .	56					
Sa. 24.	-90	SSE.	39		Bright and pleasant morn'g, with electric ribbed & dappled clouds. Very bright till 3 pm. & warm day. Light clouds after 3, and Evening cloudy, & more wind.	45	very fine & warm.	
	-96	SSW.	46					
		SW.	62					
		NW.						
M. 25.	30.08	NE.	40		Close, with blue haze, became overcast with gentle rain at times, till 1 pm, then finer, but very cloudy. - Much Thunder in SSW, 5 to 6 pm. - Fine night.	44	Thunder from 5 to 6 pm, in the SSW.	05.
	29.98	E.	43					
		E.	46					
Tu. 26.	-84	SE.	41		Foggy close morn'g, but a very fine sunny afternoon, and a mixture of electric clouds. Warm Evening, and sky hazy. Some fog during night. -	52	Full moon 2.15 pm.	
	-72	SE.	46					
		S.	58					
W. 27.	-65	SE.	42		Fog early, but bright after 8, with dappled clouds, very warm, and a parching wind. Evening in part cloudy, streaked, and mottled sky. - Close night. -	52	very warm & drying day. - Peacock Butterfly seen.	
	-62	SE.	49					
		SE.	61					
Th. 28.	-57	SE.	45		Cloudy, light rain at times, & little gleams of Sun. Fine after 11 am, and clearer, with warm sunshine. Evening close, and cloudy, but clearer in the night. -	49	* ♂ ♀ * ☉ ☿	03
	-72	S.	50					
		SW.	56					
41	6.51		276	390	Mean Temp 47° 57.1. - Rain cald up 2'33			
				(666.)				

March 1861.

March	Baro- meter	Wind.	Thermometer lowest 8 am	highest	Weather, &c.	Thermometer 8 pm.	Notes.	Rain. 2'33
Good Friday.	29.82	SW.	41		Cloudy, but soon bright after 9 am. very fine day, rocky cumuli, and Sun. Fine & serene Evening, some clouds, but chiefly clear. -	46	violets profusely in bloom.	
29.	-88	W.	44					
		W.	56					
		SW.						
S. 30.	-78	SE.	37		Cloudy, blowing, & lowering, few drops of rain, & little flying shower or two. -	45	Cowslips & few opening flowers.	03
	-81	S.	45		close night, and mixed variety of clouds. -	45		
		SW.	51					
Easter	-77	SE.	41		Cloudy & electric, but became bright after 10, and at times so all day, but many rocky clouds. Serene & pleasant evening, less wind. -	47	Birds tuneful.	
Sa. 31.	-80	SE.	47					
		SE.	55					
178	8.86		119	1625	Mean Temp 3 days 46° 9.25. Total rain 2'36			

Barometer.
Highest on 9th — 30.47
Lowest on 19th — 28.99.
Range — 1.48
Mean of Month 29.81.
Hard gales on 6 days. -

Thermometer.
Highest on 24th — 62°.
Lowest on 14th am — 29°.
range — 33°.
Mean daily range — 14°.
Mean of Month 44° 37

Prevailing winds the W, and SW. - Fine days 15. -
Depth of rain - 2'36 Inches. -
This was a rough and squally month, but on the whole above the usual mean temperature, so that considerable progress was made in vegetation. -

APRIL 1861.

April.	Baro. meter	Wind.	Thermom. lowest 9 highest am	Weather, &c.	Thermometer 8pm.	Notes.	Rain.
M. 1.	29.88 -90	NE ₁ 36 E ₂ 47 E ₁ 50		Hazy, & cloudy, electric mixed clouds, continued thick, and hazy, with gentle rain at times. Cloudy night also, but fine and milder, with some fog. - 43		Cloudy & electric	04
Tu. 2.	-81 -87	SE ₁ 41 S ₂ 47 S ₂ 52		Fog early, frequent showers in the day, and sun at times, with distant thunder; some large hail with the showers, but more at a distance. - 43		moon last Dr. 6. 24am.	14
W. 3.	-82 -89	SE ₁ 40 S ₁ 46 SW ₂ 50 W ₁		Very heavy rain from 5 am, till 9 am, afterwards more fair, and clearer, but unsettled and stormy sky. Dark heavy clouds in the evening. - Cloudy night. - 44		very heavy rain, a.m.	72
Th. 4.	-88 -90	WSW ₁ 38 W ₂ 45 SW ₀ 54		Cloudy, very dark and wet from 9 till 10, afterwards more fair, electric clouds, and sun. Evening calm & close, curdled and more electric. Fine night. - 47		willow leaf.	10
F. 5.	-94 30.12	W ₂ 39 NW ₂ 46 NW ₁ 51		Much dark & blue haze, and sun bright at times, very fine, & a cool breeze. Evening clearer and very little wind. Clear & frosty during the night. - 44		Horse chestnut leaf.	
S. 6.	-23 -32	NW ₁ 32 N ₁ 45 N ₂ 50		Clear at first, then lightly cloudy with sun at times, but the afternoon more cloudy, and the evening the same. - Fine night, but chiefly cloudy. 44		Δ 04	
Su. 7.	-37 -41	NE ₂ 39 NE ₃ 44 NE ₂ 48		Cloudy more or less, and a cold breeze, but very fine and drying day. - The evening also mostly cloudy and cold. The night clearer in part. 41		* Hg ♀ wasp much heard.	
42.034		26.53555 (6205)		Mean Temp 44°.32.) Rain cal up 1.00.			

APRIL 1861.

April.	Baro. meter	Wind.	Thermom. lowest 9 highest am	Weather, &c.	Thermom. 8pm.	Notes.	Rain 1.00
M. 8.	30.48 -55	NE ₂ 36 ENE ₂ 46 ENE ₂ 51		Cloudy with sun at times, and a cool drying breeze. very cold evening, in part clear, but some heavy clouds clear & frosty during night. 41		□ H ♂	
Tu. 9.	-62 -66	E ₂ 32 E ₃ 47 ESE ₂ 52		Bright, and parching day, cold wind, & small clouds very clear sunset, and the evening very cold & clear, but cloudy after 9 pm. - 40			
W. 10.	-63 -59	E ₁ 31 E ₁ 48 E ₁ 57		Clear, & frost early, bright and warmer afterwards. - Very clear & bright afternoon. Red bars of cloud in west after sunset. Frosty night. - 42		new moon 6. 56 am.	
Th. 11.	-55 -52	NW ₁ 30 Var. o. NE ₁ 49 SE ₁ 60		Frost early, clear, and very bright all day, very warm in the sun. Some blue haze after 3 pm, and red streaked west at sunset. - 48		wasp much piping - much, & often seen to day.	
F. 12.	-51 -49	NE ₁ 40 NE ₂ 56 N ₄ 58		Grey clouds, but soon clear, bright with light clouds till after 3 pm, then more cloudy. Evening very cloudy and windy. - 43			
S. 13.	-41 -39	NE ₃ 41 NE ₃ 48 NE ₂ 50		Grey clouds, and very little sun, more clouded and very cold breeze. - Little rain in the evening, less wind, and milder. 47			01
Su. 14.	-39 -40	NE ₂ 42 NE ₃ 45 NE ₂ 48		Cloudy, little misting, dark and very cold, all day alike, but fine after 9 am. Rather warmer from 3 pm. Little misting in the night. 47		Δ 4 ♀	02
42.719		25.25377 (629.5)		Mean Temp 44°.76.) Rain cal over 1.03			

APRIL 1861.

April	Baro. meter	Wind.	Thermom. Lowest 9 Highest am	Weather, &c.	Thermom. 8pm.	notes	Rain 1'03
M. 15.	30.41	NE ₂	40	Cloudy, and misting, gloomy cold, & unpleasant.			01
		NE ₃	45	More fair after 11, but cold and cloudy alike with little variation. - Fine night. -	46		
	-45	NE ₂	48				
Tu. 16.	-50	NE ₁	39	Clear, very bright, so continued all day, and much warmer, with a parching breeze. Some red cirri about at sunset. Some fog during night. -	48	Lawships in full bloom. Cuckoo heard.	
	-52	E ₃	55				
		E ₁	62				
W. 17.	-50	E ₂	39	Foggy morn'g, till 9, cloudy till noon, but a very bright afternoon, and clear sunset, very rosy tint. - Fog after 9 pm, most of the night. -	46	848	
	-46	E ₂	44				
		E ₂	5 1/2				
Th. 18.	-39	E ₂	37	Foggy morn'g, & cloudy till noon, then clearer, grey scuds, and bright sun. Cloudy again from 7 pm, part of the night. -	44	moon 1 st Dr 6.45am.	
	-33	E ₂	43				
		E ₂	54				
F. 19.	-32	NE ₂	33	Little hoar frost, & fog, cloudy and cold breeze during the day, and very little gleam of sun. Evening very cloudy, and a cold wind as before. -	44		
	-37	E ₂	43				
		ENE ₂	49				
S. 20.	-42	E ₂	29	Clear, keen frost early, bright & warmer in the day. Beds of cirrus cloud in close forms, but a very cold and clear evening. Frosty night. -	41		
	-30	E ₂	47				
		E ₁	53				
Su. 21.	-04	W ₂	29	Frost early, change at 7, haze, & dappled clouds, & wind veered. - very heavy and thick from 8 am, continued cloudy with rain at times till 2 pm, then clearer, & a fine evening. -	42		06
	-02	NW ₂	44				
		N ₂	49				
		NE ₂					

425.03 2463725 Mean Temp 44° 17. -) Rain cad up 1'10

(618.5)

APRIL 1861.

April	Baro. meter	Wind.	Thermom. Lowest 9 Highest am	Weather, &c.	Thermom. 8pm.	notes	Rain 1'10
M. 22.	30.00	NW ₁	36	Clouds & sun, distant showers, & unsettled sky, but chiefly fine here. - The evening more calm and pleasant, and many electric clouds. - Mild night. -	47		
	29.99	NW ₂	47				
		W ₁	53				
Tu. 23.	-97	SE ₁	40	Sun rose very yellow & soon hid a gain in clouds & haze, electric, and mild morn'g. fine & pleasant till 1 pm, then clouded & some rain. - colder evening, cloudy & more wind veered to North. -	45	ΔOH	03
	30.00	SW ₁	49				
		NW ₂	55				
		N ₃					
W. 24.	-10	NW ₁	37	Bright with electric clouds, warm afternoon, & very little wind; rather hazy & clouded after 3 pm. wind again veered about. - Pale haze and electric evening sky. -	52	*H& Full moon 10-23 pm.	
	-12	NW ₁	52				
		SE ₂	61				
Th. 25.	-12	WNW ₃	41	Bright with pale haze, & cirrus in many forms, more winds & clouds after 9 am; closer afternoon, grey clouds, & some sun. Evening rather hazy & mild. -	54	Swallows active	
	-10	W ₂	53				
		W ₂	60				
		W ₂					
F. 26.	-10	W ₂	42	Grey clouds, followed by very dark clouds, and much cooler again, very cold and gloomy after 2 pm. Overcast evening, and gentle rain at times, but very cold. -	39		04
	-30	NW ₂	52				
		N ₂	54				
		NE ₂					
S. 27.	-27	E ₁	38	Cloudy, little sleet at 8 am, then a little rain at times, very cloudy and cold; sometimes sleet with the rain. Evening finer, and clearer, some frost during night. -	40	ΔH♀	05
	-21	NE ₁	42				
		NE ₁	46				
Su. 28.	-13	W ₂	30 1/2	Bright with flying clouds till 11, showery with hail about noon, then again fine, but cold, and cloudy, with little sun. Calm, & fine evening. -	42	Cuckoo sings much, at noon.	04
	-18	NW ₂	46				
		NW ₂	52				
		N ₀					

421.59 2645381 Mean Temp 46° 107. -) Rain & over 1'26

(645.5)

APRIL 1861.

Ap. April.	Baro- meter.	Wind.	Thermom. lowest 9 am	Thermom. highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain.
M. M. 29.	30.22	NW ₂ NE ₁ NW ₀	37 45 50		Clouds & sun, fine, but a very cold air; rather more sun after 2 pm. but still cold. Evening clear from 5 pm. - Cold night & clear. -	43	* 4 ♂ Δ 4 ♀	1.26
Tu. 30.	34	W ₂ W ₂ W ₁	31 52 59		Bright, with cumuli all the forenoon. closer afternoon, grey haze & more cloud, and darker clouds in the Evens, calm & mild night. -	53	* 3 ♀	
	121.20		68	109	Mean 2 days 44° 25. -		Total rain -	1.26

Barometer.	Thermometer.
Highest on 9 th — 30.66	Highest on 16 th — 62°
Lowest on 2 nd — 29.81	Lowest on 20 th & 31 st — 29°
Range — 8.5	Range — 33°
Mean of Month — 30.25	Mean daily range — 16.63
	Mean of Month — 44° 85.
No gales all this month. —	

Prevailing winds N.E., and E. — Fine days 19; and the depth of rain 1.26 — Inch. —

This was on the whole a cold month, and often ungenial, but it proved parching near the end, and served to absorb the moisture so long abounding in the soil, for many previous months. —

Much sickness and mortality, from diseases of the respiratory organs. —

MAY 1861.

May.	Baro- meter.	Wind.	Thermom. lowest 9 am	Thermom. highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain.
W. 1.	30.37	W ₂ NW ₂ NW ₀	41 56 61		Bright till noon, then became cloudy, with dark mixed clouds; few large drops of rain. Calm and close evening, & much cloud. 52		moon last Dr 7.32 pm.	
Th. 2.	32	NW ₃ N ₁ NE ₂ N ₂	45 53 56		Burdled above, & dark clouds under, chiefly cloudy more or less, & little sun at intervals. Cloudy Evening. and night. more wind. 47		Papaw leaf. —	
F. 3.	19	W ₂ NW ₃ NW ₃	44 54 62		Cloudy, followed by rain at 9, and showers with warm sun till noon. Dark with hard rain from 2 till 4 pm. Fine evening & clearer. — 44			47
S. 4.	16	N ₂ NE ₃ NE ₃	38 44 52		Cold squalls, hail & rain with sun between, in the forenoon. Fine afternoon rocky clouds & sun, with cold wind. very red & set. 44		Cherry blooms. —	25
Su. 5.	28	NE ₃ NE ₂ NE ₂	38 49 50		Flying clouds & sun, but mostly quite cloudy, and very cold breeze. Evening cloudy, and rather less wind. Fine night. — 44		Thrush very musical. —	
M. 6.	25	NW ₂ NW ₁ NW ₀	38 49 53		Clouds & sun, but mostly cloudy, and very cool. — Few drops of rain at times. Fine & clearer Evens, calm & milder air. — 46		Cuckoos very noisy together	
Tu. 7.	09	N ₁ NE ₁ NE ₀	40 49 53		Hazy & cloudy, and chiefly so all day, little sun at times, but fair; Evening rather clearer, and but little or no wind. — 43			
	423.27		2845387		Mean Temp 47° 96.) Rain cal over 52			

(671.5)

MAY 1861.

May.	Baro.	Wind.	Thermom.	Weather, &c.	Thermom.	notes.	Rain.
	meta		9 am		8 pm		
W. 8.	30.02	N ₁ NW ₁ NE ₂ E ₁	32 47 51	Frost early & clear, very rocky and electric after 8 am, some sun at times, but cold air, and little hail now & then. Calm Evening	42	☐☐4 ΔH♀ Lightning during night.	0.52
Th. 9.	-90	SW ₁ SW ₁ SE ₂	32 50 58	Frost early, but soon changed; bright sun, & rocky clouds from SW warm afternoon, wind veering about the South. - grey haze in all the Evening sky.	48	☐4♀ new moon 11.7. pm.	
F. 10.	-87	E ₃ E ₄ E ₃	33 49 49	Hazy, & cloudy, very blowing, & lowering all day, very cold, and a few drops of rain at times. Cloudy & blowing all night, but not so cold comparatively.	43		
S. 11.	-80	ENE ₄ E ₃ NE ₁	41 46 49	Blowing and thick, followed by rain from 8 1/2 am, and at times heavy till 1 pm, then finer a while. Rain again at 3, then fair but very foggy all the Evening.	49	☐☐♀ Thunder and much lightning during night.	52 70
Su. 12.	-85	NW ₀ W _{1/2} Var. 0. NE ₁	43 53 68	Thick fog all the morning, and till near 10 am, slowly clearing off to a bright and warm day, with electric clouds & distant Thunder. Clouds in various currents, adverse. Blue electric haze all the Evening.	54	warm & growing. many cross currents of clouds. cirrocumuli from 5. 2 pm.	
M. 13.	-22	NW ₂ NW ₂ NW ₁	44 48 51	Cloudy with blue haze, and continued very cloudy all day, and a very cool breeze. Cleared after sunset. Fine and clear all night.	47	nightingale very tune-ful. -	
Tu. 14.	-48	W ₁ SW ₁ SW ₁ SE ₁	35 57 67	Clear, very fine, and bright, with very little wind. - Warm springlike day, rather more cloudy & close after 2 pm. - The Evening rather cloudy.	56	warm and pleasant.	
420.50		260393		Mean Temp 46°.64. Rain cald up 1.14			
		(653)					

MAY 1861.

May.	Baro.	Wind.	Thermom.	Weather, &c.	Thermom.	notes.	Rain.
	meta		9 am		8 pm		
W. 15.	30.47	W ₁ Var. 1/2. SE ₁ SE ₁	48 59 69	grey clouds, close morning, became bright, and very warm, with some light clouds at times; splendid Evening, bright with grey haze. Very warm night, & a beginning of summer.	58	very warm & summer-like day.	
Th. 16.	-32	W ₂ NW ₂ NW ₁ E ₁	50 66 67	Bright with a grey haze, and halo about the Sun, sultry morning. Close all day, but sun at times, very electric looking sky. - Clouds from NW, in spite of other currents.	60	☐4♀ cross currents prevail.	
F. 17.	-20	N ₁ NE ₂ NE ₂ N ₃	50 50 57	Cloudy, some rain, lowering & misting most of the forenoon, but a fine and bright afternoon, with wind, and rocky clouds. - Evening in part cloudy.	48	moon 1st. 2nd 4.3 pm.	03
S. 18.	-37	NE ₁ NE ₂ NE ₂	43 48 55	Cloudy, with sun at times, and a cool wind, but very fine, and more sun in the afternoon. Cold and cloudy Evening, and brisk wind as before.	47	Maple & hornbeam in leaf.	
Su. 19.	-49	NE ₁ NE ₁ E ₁ Var. 0.	42 50 60	Cloudy with sun, and cool air, the afternoon chiefly bright, and very little wind. Very clear, and brilliant. Evening, and fine night. Some clouds during night.	52	Oak in leaf. Elms nearly so.	
M. 20.	-47	Var. 0. W ₁ W ₂ NW ₁	44 63 75	Very fine and bright, gentle wind, and little haze, became hot after 10 am, and very hot till 6 pm. Black with much Thunder & lightning from NW - till 7. Cloudy & close Evening.	63	great rise of the temperature. Thunder storm 6 1/2 pm.	05
Tu. 21.	-49	W ₁ WNW ₃ W ₂ W ₁	54 69 76	Electric clouds, with bright sun, and very hot, more clouds and haze in the middle of the day, again clear after 3, & till 4, but very hazy, and sultry Evening - 8 pm Th 68° -	68	☐H♀ Ash leaf Hawthorn flowers, & Elm leaf.	
425.53		331459		Mean Temp 56°.428. Rain cald over 1.22			
		(790)					

MAY 1861.

May.	Baro- meter	Wind.	Thermometer Lowest 9 am	Thermometer Highest 9 pm.	Weather, &c.	notes.	Rain 1.22
W. 22.	30.30	W ₃ NW ₁ W ₂ W ₁	58 65 70		Fog, misting & sultry morn'g, faster rain at 8 am, then became fair, and clear. Close afternoon, dark clouds & sun. Cloudy even's little misting at times. Sultry night.	♂ ♂ ♀ □ ♀ ♀	03
Th. 23.	-28	W ₀ SW ₂ NW ₅ W ₂	58 68 79		Very sultry, but became bright and very hot, with electric cumuli. At 7 pm black in NW & sudden gale from thence. - Cloudy even's, Distant Thunder. -	* ♀ ♂ very hot. squall & Thunder 7 pm.	
F. 24.	-12	WNW ₂ NW ₂ W ₀ SE ₂	50 58 66		Clear, but afterwards clouds and sun. much cooler since the distant Thunder of last even'g. Bright afternoon, wind calm. Hazy even's, more wind & veered. -	Full moon. 6.6 am. □ ♂ ♀	
S. 25.	29.96	SW ₂ SW ₄ SW ₂	48 61 69		Bright morn'g, with breeze, and flying clouds, very warm day, mostly bright, and the wind breezy. - Fine night, and less wind. -	♂ ♀ ♀	
Su. 26.	-94	SW ₂ SW ₁ SW ₁	50 60 68		Cloudy & warm breeze, more sun after 11, electric clouds, and a blue haze at times; little rain at 1 pm, but again bright with a haze. Close night, but fair. -	♂ ♂ ♀	
M. 27.	-16	W ₁ NW ₂ ESE ₂ E ₁	54 65 71		Close, with thin clouds, became very bright before 9, so continued, hot, & sometimes calm, wind veered at 2 1/2 pm to ESE. - Hazy & mottled sky in the evening. -		
Tu. 28.	-25	E ₂ NE ₃ NE ₃ E ₂	49 56 58		Hazy & cloudy, cool breeze, and dark about the South. - More or less cloudy all day here, but clear on NW horizon, and very cool wind. Sun set clear, the rest of the sky cloudy. -	♂ ♂ ♀ Fall of Temperature.	
42180		367481		Mean Temp 60° 57. - Rain & up 1.25			
		(848)					

MAY 1861.

May.	Baro- meter	Wind.	Thermometer Lowest 9 am	Thermometer Highest 9 pm.	Weather, &c.	notes.	Rain 1.25
W. 29.	30.11	E ₂ NE ₂ NE ₂	49 1/2 61 66		Cloudy, but soon clearer, and a bright afternoon, warm, & pleasant, clouds electric, and much curled in the zenith from 5 pm. - Day clear & set. -	An arc of light sky, in the NW, as last night.	
Th. 30.	-09	NE ₁ NE ₁ SE ₂	51 61 71		Cloudy morn'g, very electric & mottled sky. - Bright afternoon & hot, with light clouds, and dappled lines across zenith. Close & hazy evening. -		
F. 31.	-10	W ₂ W ₂ W ₀	53 66 72		Some haze & scuds at 6 am, af- terwards bright, and hot, with some flying clouds, evening calm, warm, & lovely, with light grey clouds. -	moon last 2m 10.25 am. * ♀ ♀	
18053		1535209		Mean Temp 3 Days - 60° 48. Total Rain 1.25			

Barometer.
Highest on 19th — 30.50
Lowest on 11th — 29.72
Range — 0.78
Mean of Month 30.18
No gale in this month.

Thermometer.
Highest on 23rd — 79°.
Lowest on 8th & 9th morn. 32°
Range — 47°
Mean daily Range 17.16.
Mean of month 53.62.

Prevailing winds NE, and NW. — Fine days 25, depth
of rain 1.25 Inch. —

This was a dry month on the whole, the first 10 days, un-
genial, but from that day to the end, mostly good spring
weather, and sometimes very warm, as shown by the
foregoing columns of the state of Thermometer. —
Vegetation a medium in forwardness, and a far better
prospect than last year. —

JUNE 1861.

June.	Baro. metes.	Wind.	Thermom. Lowest 9 a.m. Highest	Weather, &c.	Thermom. 8 p.m.	Notes.	Rain.
S. 1.	29.95 -93	SW ₂ . SW ₂ . W ₂ .	58 65 71	Sultry with blue haze, & little misting 6 a.m. & at 9, then fair with hot sun & rocky clouds, till after 12, then cloudy & close. Some distant Thunder.	63	Distant Thunder.	.03
Su. 2.	30.00 -02	W ₁ . W ₁ . E ₂ . E ₁ .	51 64 68	Bright with light clouds, till 11, then much cloud in cross currents. Black in SW, with Thunder at 4 p.m., & all the evening in the whole west, rose against wind.	59	Thunder from 4 p.m. - all the evening in west.	.03 .16
M. 3.	-12 -16	W ₁ . W ₁ . W ₀ .	49 59 60	Cloudy, more or less most of the day, and chiefly very much so, but the evening clearer from 6 p.m. little veering of W to SE.	57		
Tu. 4.	-19 -14	W ₁ . Var. S E ₁ . S E ₂ .	51 60 62	Gentle shower 2 a.m., fine morning with clouds & sun at 7, and the day fine, with much cloud, and little sun. Electric and rocky clouds in the evening.	59		.07
W. 5.	-14 -12	E ₁ . S E ₂ . S E ₂ .	50 63 68	Fog early, cleared after 7, bright with rocky clouds, much thunder in SW, 11 a.m. and NW. 3 & 4 p.m. Bright evening, the storm passed away in NW.	59	* 4 ♀ Thunder storms in SW. 11 a.m. & NW. 4 p.m.	
Th. 6.	-17 -12	NE ₄ . NE ₃ . NE ₃ .	49 55 57	Blowing & cloudy ever since mid-night, little rain 7 & 8 a.m.; very cloudy all day, and a very cool breeze. More wind all the night, and quite cloudy.	53	* 1 ♀	.02
F. 7.	-11 -08	NE ₄ . NE ₄ . NE ₂ .	49 55 57	Very cloudy, and cool breeze, dark clouds of many & singular forms, & of mixed kinds, and but very little gleam of sun, but clearer in the evening, and very cool air.	53		
421.25		357.443		Mean Temp 57°. 142.) Rain cald up 0.12			
		(800)					

JUNE 1861.

June.	Baro. metes.	Wind.	Thermom. Lowest 9 a.m. Highest	Weather, &c.	Thermom. 8 p.m.	Notes.	Rain. 0.12
S. 8.	30.03 -00	N ₂ . NW ₁ . W ₁ . W ₀ .	46 55 58	Cloudy, more or less all day, & very little sun, but less wind than previous, some rain at 4 p.m. Evenings fine & clearer, and no wind. - Cool night.	55	new moon 1.38 p.m.	.02
Su. 9.	29.95 -85	NE ₂ . E ₃ . E ₁ . S E ₁ .	44 55 60	Very cloudy, & little rain at 8 a.m. lowering & foggy, and rain from 12 till 2 1/2 p.m.: again foggy till 5, evening clearer, & some sun, more foggy after sunset.	59		.03 .16
M. 10.	-83 30.01	W ₂ . SW ₂ . SW ₂ .	50 55 65	Showery morning, & fast rain till 9 a.m.; then more fair, and after 12 it became bright with flying clouds. More inclined to shower again at 3, afterwards bright.	59		.20
Tu. 11.	-16 -22	SW ₂ . SW ₂ . SW ₁ .	52 62 70	Bright & warm, with fleecy cumuli clouds; hot afternoon, & blue haze after 4 p.m.: and a very close evening, and night, but inclined to fog at 9 p.m.	63	Fine summer weather.	
W. 12.	-28 -32	SSW ₂ . SSW ₂ . S ₁ . S ₀ .	56 65 71	Close, with sun, & flying clouds. Hot, but chiefly rather cloudy, and a soft breeze all day. Lovely evening, calm, & nearly clear. True summer weather.	66	very fine summer's day.	
Th. 13.	-38 -36	SSE ₁ . S E ₂ . S E ₃ . E ₂ .	55 72 78	Clear, brilliant morning, continued very bright, and very hot but more wind after 12 noon. Very bright evening, and rosy sunset, some red cirri about.	67	* 04 a splendid day. Dog rose open.	
F. 14.	-28 -26	E ₁ . ESE ₃ . E ₃ . E ₂ .	56 73 80	Strong blue Electric haze, but very bright, and very hot all day, and no cloud: wind very brisk, & yet very hot. Thicker haze in the evening, orange & set.	68	very hot & clear, but a blue haze all day.	
421.93		359.482		Mean Temp 60°. 07.) Rain cald over 0.53			
		(841)					

JUNE 1861.

June.	Baro. meter.	Wind.	Thermometer lowest 9 highest a.m.	Thermom. 8pm.	Notes.	Rain 0.53
S. 15.	30.21 -21	E ₂ E ₃ E ₂	56 74 80		Bright with Electric haze. & dappled sky, quite clear from 9 am, and very hot, but more wind. Sun set clear. but rocky clouds in S.E. -	MOON 1 st Dr 10.16 pm. * ♀ ♂
Su. 16.	-21 -23	NE ₃ NE ₃ NE ₂	55 63 70		Cloudy till 8, then clearer, and a fine bright day, but less hot, and a brisk air. After 5 pm, lightly cloudy, and a cool cloudy Evening. -	wheat - ears ge- neral. -
M. 17.	-23 -25	NE ₂ NE ₃ NE ₂	53 63 69		Cloudy morn'g, but soon very bright, and so continued all day, with rather brisk air. Clear yellow sunsets, but a skirting of cloud in South. -	Beans in full bloom.
Tu. 18.	-26 -23	Var. 1. SE ₁ SE ₁	45 63 74		Bright and very hot as the day advanced; no cloud, and very trifling wind. Brilli- ant evening, and a fine golden sunset. -	Elder flowers. Lightning in S. durn night. -
W. 19.	-20 -20	S ₁ SE ₁ SE ₁	50 66 75		Hazy & electric, but bright at times, and very sultry, very bright after 2 pm, and gentle wind. - Some cirri at evens. Golden sunset. -	very electric sky. -
Th. 20.	-18 -20	SE ₁ SE ₁ SSE ₁	53 67 75		Electric & hazy, but bright at times, trifling rain at 11 am, then bright & very hot till 4. Thunder in SW & S till 5. Brilliant Even'g, orange @ set. -	Thunder in SW & S. 4 to 5 pm. Hazy night.
F. 21.	-17 -15	E ₀ E ₁ ESE ₁ SE ₁	55 68 73		Fog till 9. then close, sultry & cloudy, very little sun, but rain at 2 1/2 pm, and at times all the rest of the afternoon. Close but finer Evening, - and blue haze. -	Blue haze all the evens.
42293		3673517		Mean Temp 63° 1/8. Rain cal'cd - 0.60 (884.5)		

JUNE 1861.

June.	Baro. meter.	Wind.	Thermometer lowest 9 highest a.m.	Thermom. 8pm.	Notes.	Rain 0.60
S. 22.	30.11 29.95	SE ₁ S ₁ SW ₂ S ₀	60 68 77		Cirri & blue haze, but bright, some fog after 8, but again bright, and very hot, all the mid-day, hazy from 2 pm, sultry even'g, little rain at times, close night. -	Full moon 2. 23 pm. 02
Su. 23.	-90 -87	SW ₂ SW ₂ SW ₁	59 74 77		Bright with Electric clouds, and very hot; more hazy & cloudy after 11 am; sultry afternoon; Showers in the South. Lovely evening, calm & close. Fine night. -	Showers at a distance 4 pm. -
M. 24.	-92 -98	W ₂ SW ₂ SW ₁	57 1/2 69 74		Bright with dappled sky, & clouds below, hot morn'g, rocky towering clouds from 9 am. Showers passing near, fine here, and brighter after 3 pm. Thunder at a distance. -	Showers passing near. Thunder in N. at eve.
Tu. 25.	30.00 29.86	SW ₂ S ₄ SSE ₄ S ₃	58 63 65		Drifting blue haze, afterwards very cloudy, and lowering, rain at times, & wind gusty, afternoon, and Evening. - Night finer and less wind. -	22
W. 26.	-83 -79	SW ₂ S ₃ SSE ₁	54 64 71		Rocky clouds & sun, hot in the afternoon, but showers at a distance, and some very near, some heavy drops at 1 pm. Serene Evens, and clear night. -	* 0 1/2
Th. 27.	-82 -93	SE _{1/2} SE _{1/2} NW ₂ NE ₁	49 65 71 1/2		Fog till 7 am, then bright with electric mixed clouds, very rocky, and some showers with thunder. near us, but fine here, except a few drops, and a bright Even'g. -	Formidable clouds & Thunder E. & NW.
F. 28.	-98 -89	NW ₁ NW ₃ W ₁ W ₀	52 64 72		Fog early, cloudy with blue haze, till near 9 am, then clearer, but many clouds, and a brisk wind. More sun & less wind. After 12, sultry & calm Evens. - Close night. -	Some little distant showers.
41883		38955075		Mean Temp 64° 07. - Rain cal'cd over - 0.84 (897)		

JUNE 1861.

June	Baro- meter	Wind.	Thermom. Lowest 9 Highest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain
S. 29.	29.86	W ₂ . NW ₁ . NW ₁ .	59 68 71	Cloudy, sultry & few rain-drops, became bright with large rocky clouds, & hot till noon. Sharp thunder-storms at 1, and 4 pm, - cloudy & dripping Evens.	63	Sharp thunder-storms at 1 and 4 pm.	.25 .03
Su. 30.	30.08	WNW ₂ . NW ₄ . NW ₃ .	54 62 65	Bright, with flying clouds, but chiefly much cloud, brisk wind, & distant Thunder. Evening chiefly bright, and a drying breeze. - Comet bright to night.	61	moon last 2m 2.40 am.	
120.13			113/136	Mean Temp 2 days 62° 25. -		Total Rain -	1.12

Barometer.

Highest on the 13th - 30.38

Lowest on the 26th - 29.79

Range - 0.59

Mean of Month 30.08.

No gales during the month.

Thermometer.

Highest on the 15th - 80° 5

Lowest on the 9th am - 44°

Range - 36.5

Mean daily range - 16.65

Mean of Month - 61° 19.

Prevailing winds SE, SW, & E. Number of fine days 19.

Depth of rain 1.12 - Inch.) A large Comet in North about 28°

This was a very fine, and good Summer month, conducive to Vegetation. Corn looking well on all except the light lands, a fair yield of grass, and much good Hay was secured, all the middle of the month.

Rain in these 6 months only 9.92, whereas for the same 6 months last year, it was 19.24!

JULY 1861.

July	Baro- meter	Wind.	Thermom. Lowest 9 Highest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain.
M. 1.	30.29	WNW ₂ . W ₂ . W ₂ . W ₀ .	52 64 74	Very bright, with light clouds, & a fresh breeze, very hot, & beautiful Summer day. Sultry Evening, and some dark clouds. - Very close night.	68	A most lovely Summer day! - Comet bright 10 & 11 pm.	
Tu. 2.	-07	WSW ₂ . W ₃ . W ₃ . W ₂ .	60 67 71	Rain at 3 1/2 am, soon became fair, very hot, and bright, chiefly so till noon. but at 3 & 4 pm, flying showers, - Bright Evens, less wind.	62	Squally at-mosphere.	.12
W. 3.	-04	W ₃ . WNW ₃ . W ₂ . W ₀ .	55 62 67	Brisk wind, scuds & sun, became more cloudy, & a cool breeze. Less wind, and more sun after 2 pm. Calm and lovely Evens, Comet bright from 9 1/2 pm - Wind to S.W.	63	Still squally inclined, - but Evens calm. The Comet visible at 10 - in N.W.	
Th. 4.	29.82	S ₂ . SSE ₄ . SE ₆ . SE ₃ .	52 64 69	Grey clouds, & wind changed to S. Dappled arcs across zenith, warm but windy, and became thick & cloudy after 2, and some rain at times, most of the Evening. - Night finer.	62	Very squally atmosphere.	.14
F. 5.	-47	SSE ₂ . S ₄ . SSW ₂ . SW ₁ .	54 63 70	Very rocky & heavy clouds, with sun; heavy showers from 11 am, with hail, & some Thunder: till 3 pm, then fair, and bright. with rocky clouds. - Fine night, & partly clear.	62	Very heavy showers, and Thunder.	.45
S. 6.	-62	SW ₁ . S ₂ . S ₂ . SE ₂ .	54 64 70	Bright with rocky clouds all the morn, more cloudy, and showery after 9 am, and till noon, bright and warm after-noon, & close Electric Evens.	63	Very heavy Shower at 12 noon.	.14
Su. 7.	-65	SE ₁ . E _{1/2} . NW ₄ . W ₁ . W ₀ .	58 64 67	Very heavy rain between 5 & 7 am; fine from 7 till 8 am, rain again till 9. Fair till 12 pm, tremendous storm of rain then, and Thunder, bright till 7, heavy shower then.	67	Very heavy rain early, and again extreme at 1 1/2 pm.	.60 .48 .22
417.81			385.488	Mean Temp 62° 35. -		Rain cal over 2.15	
July 7. 8 pm 65°			(873)	N. B. { The rain in the morn 5 July 7 th was from the SE: the storm at 1 1/2 pm from NW. -			

JULY 1861.

July.	Baro. meter.	Wind.	Thermometer Lowest 9 am	Thermometer Highest 8 pm.	Weather, &c.	Notes.	Rain. 2.15
M. 8.	29.88	W, SW, Var. $\frac{1}{2}$. W $\frac{1}{2}$.	57 65 70		Bright, with rocky clouds, fine & hot till noon; thun- der showers passing round from 1 pm, and some here. Fair & bright again from 3 $\frac{1}{2}$ pm. — Mist on vales 9 pm	new moon 2.12 a.m. much thunder.	11
Tu. 9.	29.94	W, NW $\frac{2}{2}$. NW $\frac{1}{2}$. Var. 0.	55 64 69		Fog early, cloudy with sun, and very warm: little show- er at 7 past 12, close after- noon, but fair. Calm, and sultry even, and bright with gray haze. — Night cloudy.	♂ ♂ ♀	04
W. 10.	30.07	WSW $\frac{2}{2}$. W $\frac{2}{2}$. W $\frac{1}{2}$. SW $\frac{1}{2}$.	55 65 72		Bright with light haze, & some clouds, little rain at 12, then a bright & hot afternoon & more so after 3; and very warm & pleasant Evening. —	A beautiful summer- afternoon.	01
Th. 11.	29.97	W, SW $\frac{1}{2}$. SW 0. SW $\frac{2}{2}$.	53 63 65 $\frac{1}{2}$		Bright with grey clouds, more cloudy at 10 & 11, close and thick all the afternoon, calm & pleasant. — Even clearer & little breeze after 7 pm. —	♂ ♀ ♂ another very plea- sant day.	04
F. 12.	29.89	SSW $\frac{2}{2}$. SSE $\frac{2}{2}$. S E $\frac{1}{2}$. S E $\frac{1}{2}$.	52 66 72		Clouds & sun, with a sultry breeze, hot afternoon, less wind & more sun, & clouds more electric. Sultry Evening dappled sky, rain from 10 $\frac{1}{2}$ pm lightning & thunder. —	A very love- ly day. lightning & thunder 10 to 12 pm.	27
S. 13.	29.73	S E $\frac{1}{2}$. S E $\frac{3}{2}$. S E $\frac{2}{2}$.	61 67 71 $\frac{1}{2}$		Very sultry & Electric, little wet from 9 to 10 a.m.; then fair, and a hot breeze, with clouds & sun. Much red & raggy cloud in SW, near sun set. —	♂ ♂ ♀	04
Su. 14.	29.87	S E $\frac{3}{2}$. S E $\frac{3}{2}$. S E $\frac{1}{2}$.	59 65 71		Brisk wind, sultry, and short flying showers, with sun be- tween, but chiefly fair, bright & pleasant, in the afternoon and Evening. —	Lonely af- ternoon, & Evening.	02
418.65		392.491		Mean 63° 07.		Rain carried up — 2.64	
		(883)					

JULY 1861.

July.	Baro. meter.	Wind.	Thermometric Lowest 9 Highest	Thermom ^r . 8pm.	Weather &c.	notes.	Rain. 2.64
M. 15.	29.83	SE ₁ . 59 SE ₀ . 70 SW ₂ . 70 SW ₁ . 65			Bright, & hot morn ^g , with few light clouds; more cloudy after 9, and very sultry, rain from 11½ am to 2pm, then fair & bright. The Evening the same, and clouds rocky.	moon 1 st 2. 2.47 am. much rain at Noon. blue haze pm.	39
Tu. 16.	29.78	SW ₁ . 56 SW ₁ . 64 W ₁ . 72½ W ₀ . 66			Fog early, & blue Electric haze, close & cloudy, some distant. Thunder showers in the afternoon, but hot & chiefly bright. Much Thunder West at Eve, & a Shower here at 9 pm.	Rain & hot. afternoon Thunder dis- tant.	07
W. 17.	30.03	W ₁ . 54½ W ₂ . 65 SW ₂ . 71½ SW ₃ . 66			Bright, with light clouds, very fine, sunny & hot most of the day, with loose cumuli, and wind breezy, and in the Evening more wind.	a very fine & pleasant day.	
Th. 18.	29.90	SSW ₄ . 58½ SW ₄ . 64 SW ₅ . 70 SW ₄ . 65			Hazy, cloudy & windy morn ^g , clearer after 11, bright, warm, & windy, but many clouds, cloudy Even ^g , less wind, and little rain at times, few drops.	Blowing but fair, & warm, till 7 pm.	
F. 19.	29.87	SW ₃ . 58 SW ₃ . 63 SSW ₃ . 67			Cloudy, few rain-drops at 8 am, continued chiefly cloudy, and trifling mist at times, and a cloudy evening and more wind. Very close night.	* H ♀	
S. 20.	29.82	SSW ₂ . 62 SW ₂ . 66 SW ₁ . 73			Sultry & close, some dark but thin clouds, clearer after 11 am, hot, and at times bright. Thunder W, & NW, at 4 pm. & black clouds. - Fine night.	Thunder- clouds in W, & NW. 4 to 5 pm. and sharp lightning.	
Su. 21.	29.95	SW ₂ . 60 SW ₂ . 67 SSE ₂ . 72 SW ₃ . 67			Cloudy, but thin clouds, cleared at 8, dappled sky, & hot sun, till after 10. Shower at 11, sultry but fine afternoon. Breezy Even ^g , & grey clouds with sun.	very hot. Even ^g .	06
418.38		408.496		Mean Temp 64° 57.		Rain car over 3.16	
		(904)					

JULY 1861.

July.	Baro- meter	Wind.	Thermom. Lowest 9 Highest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain. 3:16
M. 22. 29.72		SW ₂ .	59	Flying clouds, and sun, chiefly fine & hot, but some trifling rain once or twice from dark clouds in the afternoon.		Full moon 0.5 a.m. ☉ ☿ Thunder in SW. 8 pm.	
	-90	SSW ₂ .	72	Fine evenings, but hazy in part.	66		
Tu. 23. 71		SSW ₄ .	60	Very close, but blowing, clearer after 9, flying clouds, & hot sun, although a stiff gale at times.		windy & yet hot.	
	-88	SW ₅₋₆ SW ₂ .	66	Wind much less after 5 pm. fine evenings, clearer & cooler.	66		
W. 24. 30.01		SW ₁ .	5 1/2	Light clouds, & sun, soon became hazy, & much cloud, brisk wind, & trifling wet at times.			
	29.91	SSE ₄ SSW ₂ .	64	Evening clearer, and warmer than before. Sultry night.	65	showers at 12 pm.	.07
Th. 25. -86		SSW ₃ .	62	Flying clouds, & hot sun, but very windy, some light flying rain at 3 1/2 pm, & heavier drops at 5. Evening fine, less wind, sultry night as before.		very hot, although gaily.	.03
	-82	S ₆ S ₅ S ₃ .	70		67		
F. 26. -64		SSE ₁ .	61	Hard rain from 5 1/2 till 6 am. became bright at 7, so continued till 4 pm, and very hot.		severe thunder storm 5 pm.	.32
	-82	SW ₄ SW ₂ W ₁ .	65	Heavy thunder storm 5 pm. Fine & clear sunset.	63		.30
S. 27. -90		W _{1/2} .	51	Bright, with electric clouds, till 10, afterwards frequent heavy showers, & violent thunder the whole day, with gleams of sun, and showery evening.		severe storms thunder & lightning	.60
	-90	SW ₁ Var. 0. S ₁ .	63		66		
Su. 28. -92		SW ₁ .	49 1/2	Bright with flying clouds, in the morn'g, continued bright, & hot with rocky clouds, except trifling showers at 11 am, & 2 pm.		* H S Pleasant day.	.02
	30.73	W ₁ W ₂ W ₁ .	63	Evening bright. Distant Thunder S.E.	64		
418.32			39.74945 (891.5)	Mean Temp 63° 678.) Rain cald up 4.50			

JULY 1861.

July.	Baro- meter	Wind.	Thermom. Lowest 9 Highest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain. 4:50.
M. 29. 30.22		SW ₂ .	52	Bright, with light clouds, very fine & hot, but wind more after 3, and evening, with rocky clouds, Dappled sky at Eve, and distant Thunder in S. - Warm breezy night.		moon, last. Dr. J. 51 pm. Fine summer's day.	
	-05	SW ₁ S ₃ SSE ₂ .	64		73		
Tu. 30. 29.95		SSW ₃ .	59	Very clear, & warm breeze, clouds fol- lowed at 8 am, but a fine, hot, and bright day, with clouds, and brisk wind. - Red clouds at sunset. - Fine clear night.		very good summer's day.	
	30.03	SW ₃ SW ₃ SW ₂ .	68		73 1/2		
W. 31. -73		SW ₂ .	54	Clear, bright morn'g, fine sunny day, brisk wind, & flying clouds, but hot. Trifling showers a little distance from us - P.M. Fine & pleasant evening.		Pleasant & reasonable.	
	-20	SW ₂ SW ₁ .	66		72		
170.58			165.2185	Mean Temp 3 days 63° 916. - Total Rain 4.50			

Barometer.	Thermometer.
Highest on the 1 st - 30.29	Highest on the 1 st & 23 rd - 74°
Lowest on the 5 th - 29.47	Lowest on 28 th morn'g - 49 1/2
Range - 0.82	Range - 24 1/2
Mean of Month - 29.73	Mean Daily range - 14.22
Gales on 3 days.	Mean of Month - 63° 46
Prevailing winds SW, and W.	Fine Days 15.
Depth of rain 4.50 inches, or just 4 1/2 inches.	

This was a fruitful and good summer month, although the rain was great, but we wanted it all; and the temperature was a full average, for all the nights being warm, is made up for the pleasant moderation of the Day Maxima. Much sun prevailed between the rains, (unlike previous July) and the day heats were delightfully pleasant. - Crops of corn & peas abundant, and some Wheat fit for Harvest near the end.

AUGUST 1861.

Aug.	Baro. meter	Wind	Thermometric lowest 9 am	highest	Weather, &c.	Thermom. 8 pm.	Notes	Rain.
Th. 1.	30.21 -20	SW ₂ . SW ₂ . SW ₁ . Var. 0.	58 67 76		Sultry & close morn'g, few rain drops, but soon bright & very hot, with cumuli clouds, & gentle wind. Calm & hot Evening - sun set red in cirri and haze.	69	64♀ splendid summer weather.	
F. 2.	-08 29.85	SE ₁ . SE ₂ . SW ₅ . S ₁	55 69 81		Light haze, & cirri, very hot, and partly bright; after 11. it became very bright & extremely hot, with knotty & curdled clouds & sudden wind 6 pm. distant Thunder, & lightning.	69	very hot & sultry 2 pm 81. lightning & thunder 8 pm.	
S. 3.	-87 30.08	SW ₃ . SW ₅ . W ₃ . W ₃ .	57½ 63 67		Bright, & very warm morn'g, but from 9 to past 1. blowing cloudy, & little rain. Sun fair with sun at times, but very gusty wind. Little rain 9 pm.	62	sudden change after the lightning & last night.	'03 '04
Sa. 4.	-10 -17	SW ₃ . SW ₄ . SW ₂ .	58 67 75½		Grey clouds, brisk wind & sun, became bright. & very hot, with loose cumuli, & brisk wind. Very bright Evening. but some cirri upward.	68	very fine and hot.	
M. 5.	-13 -05	SSW ₁ . SW ₂ . SW ₁ .	56½ 71 83		Clear, very bright morning, continued bright with some light clouds, & very hot. - Afternoon extremely hot & clear and brilliant sunset, with arcs of rose cloud.	73	Extremely hot & clear. (Th. 83° from 2 till 4 pm. & 5 pm 80.)	
Tu. 6.	-14 -22	WSW ₂ . W ₃ . W ₁ . W ₁ .	57 68 77½		Clear morn'g, & fresh breeze, but still hot; continued bright, less wind, & very hot. - Brilliant Even'g, and pure golden ☉ set.	69	new moon 0.54 pm. Corn harvest begun.	
W. 7.	-19 -07	SW ₁ . SW ₂ . SW ₁ .	54 68 77½		Bright with light clouds, & very hot, more wind after 10 am; but a very bright & hot day. Hazy Even'g, and thick beds of cirri clouds.	69	67♀	
42136			39.6	53.75	Mean Temp 66°. 67.8.		Rain cal up 0.07.	
			(9335)		A very hot week.			

AUGUST 1861.

Aug.	Baro. meter.	Wind.	Thermometer lowest 9 a.m.	highest	Weather, &c.	Thermometer 8 p.m.	Notes.	Rain. 0.07
Th. 8.	29.80	SW ₃ . SW ₃ . WSW ₂ . W ₂ .	61	71	Rain at 2 a.m., and some after, close morning, some rain in the middle of the day, but at 3 p.m. became bright, & windy, yet very warm, and a bright & warm evening.	68	☼ ☉ H	14 70
F. 9.	30.04	W ₂ . W ₂ . SW ₃ . W ₃ .	60	70	Hot & sultry, with flying clouds, and sun, very hot from 12 to 3, afterwards cloudy, trifling rain very sultry evening, and cloudy with brisk breeze.	70	very close air, day & night.	
S. 10.	-20	W ₂ . W ₂ . W ₁ . SW ₁ .	59	71	Clear, very bright, and very hot, with small clouds, and little breeze at times, evening cloudy, and sultry, and the night the same, with breeze at times.	72	Splendid summer day.	
Sa. 11.	-16	WSW ₂ . SW ₂ . SW ₁ . SW ₁ .	63	74	Bright, and extremely hot, few small clouds, but larger after 12. Again very bright, & excessive heat from 2 p.m. sultry evening some cirri & haze.	74	Th. 4 past 11 81° at 12. 83° 2 p.m. 84° 5 p.m. 81° 6 p.m. 78°	
M. 12.	-00	SW ₁ . S ₂ . SSW ₂ . SW ₁ .	64	76	Grey haze, & very sultry morning, soon very bright, and excessive heat; strong blue haze at 1 p.m., still very bright, clouded & red at sunset, very electric, oppressively hot, & distant lightning 8-10 p.m.	79	11 a.m. 84° 12. 86° 1 p.m. 88° 2 1/2 p.m. 90° 5 p.m. 87° 10 p.m. 76° MOON 1st	A few rain drops at 12 p.m.
Tu. 13.	-97	SW ₂ . W ₄ . W ₂ . SW ₁ .	67	71	Cloudy & a breeze, but still very hot, squall at 8 1/2 a.m., & cooler, but again chiefly bright & very hot, bright evening, some electric clouds, & very little wind, but much cooler night.	68	Dr. 7.15 4 m. ☐ H ♀	
W. 14.	-25	S E ₁ . S E ₂ . S ₁ .	54	67	Bright with electric clouds & haze. - soon became very bright, and very hot, but heavy after 1 p.m. close evening, dappled & electric.	70		
	-08							
	42.0.80				(4285556) Mean Temp 70°.32! -		Rain cal. over - 0.31	
					(9845) A remarkably hot week!			

AUGUST 1861.

Aug.	Baro- meter.	Wind.	Thermometer lowest 9 highest am	Weather, &c.	Thermom. 8 pm	notes.	Rain. 0.31
Th. 15.	29.74	SW ₂	63½	Very sultry, with low clouds hot breeze, and some sun.			
		SW ₂	72	The same all day, but less wind after 4 pm; Evening		fine, and sultry.	
	29.97	SW ₁	77½	clearer & very hot. Moon bright after 9 pm.	70		
F. 16.	30.02	SW _½	62	Blue fog early, followed by mixed electric clouds, little		Thunder from 11 am.	
		SW ₁	68	rain & distant Thunder.		and loud	
	29.99	SE ₁	69	Hard rain from 12½ to 1½ pm.		about 2 pm.	25
		2.		Then fine but cloudy, and hazy. Night clear after 11.	63		
S. 17.	30.12	SW ₁	52	Bright, with loose cumu- li, & fresh breeze. Some			
		SW ₂	65½	denser clouds at 1 pm, few large drops. Again bright, and			
	29.21	SSW _½	73	serene. Even more hazy.	65		
Su. 18.	29.23	SSW ₂	56½	Brisk air, hot sun, & flying clouds. Very hot. Afternoon,		very fine hot, and parching	
		S ₃	67	& very few clouds, but more wind at times; Very bright.			
	29.08	S ₄	77½	Evening, & less wind. - Fine clear moon light night.	69		
M. 19.	29.04	SSW ₂	60	Clear, very bright, and hot, with brisk wind, and cumu- li clouds. Slight shower at		very dry- ing.	
		SW ₂	69	a distance in W, 2 pm. -			
	29.07	WSW ₃	75½	Very bright. Evening, moon low ly and a brisk wind.	66		
Tu. 20.	29.15	W ₂	52	Very bright, with flying clouds, and a brisk wind. Even- ing calm, and clouds in		Full moon 11.51 am.	
		W ₃	66	the South. Cooler night but still lovely.	63		
	29.20	W ₀	73				
W. 21.	29.30	W ₁	51½	Slight clouds & sun, tempe- rate atmosphere, and gen- tle wind. More clouded all			
		W ₂	64	the afternoon. Clear sun- set, & calm Evening.	62		
	29.34	W ₀	69				

421.66 39755145 Mean Temp 65.142. Rain cal up 0.56
(912)

AUGUST 1861.

Aug.	Baro- meter.	Wind.	Thermometer lowest 9 highest am	Weather, &c.	Thermom. 8 pm	notes.	Rain. 0.56
Th. 22.	30.38	W ₀	48	Calm, heavy dew, & clear morn'g, bright forenoon, but		* H &	
		SW ₂	65	hazy afternoon, close, and very warm again. Cloudy Eve- ning, rain during night.	66	showery night.	
	29.29	SW ₂	72				
F. 23.	29.16	WSW ₂	59	Showers of rain at 3 & 4 am. close, & misting at times, till			30
		W ₂	64	after 9 am. Then bright & hot, with cumuli clouds; and a			
	29.23	W ₂	73	fine sunny evening, but clouds at sun set.	65		
S. 24.	29.19	WSW ₃	55	Squally wind, flying clouds, and sun; more wind about		very windy day.	
		WNW ₄	63	noon, and very blowing after			
	29.15	NW ₆	68	noon, yet mostly sun; less wind at eve. Fine night.	61		
		NW ₃					
Su. 25.	29.27	WNW ₃	53	Bright, with light clouds, very fine, pleasant, and sun- ny day, and became calm		Fine & pleasant.	
		WNW ₂	63	from 3 pm, and a very serene Even, & mottled sky.	63		
	29.31	W _½	71				
M. 26.	29.25	W ₂	59	Sultry with a warm breeze; more cloudy after 8, but be- came bright & hot all the		very fine.	
		W ₂	64½	afternoon. Clear red & set.			
	29.36	W _½	72	Thin fog after 9 pm.	66		
Tu. 27.	29.36	W ₁	59½	Very bright, and extremely hot, with a few small & light clouds. - Sun set clear		60 &	
		W ₂	73	& very red, in a purple haze. Clear dewy night.	71	1 pm 81° 2½ pm 82½°	
	29.39	W ₀	82½				
W. 28.	29.29	SW ₁	54	Clear, very bright, and ex- tremely hot, with light breeze, and a few small clouds;		moon last 2 pm 1. 23 pm	
		SSW ₂	73	quite clear after 3, and a pure golden & set.	70		
	29.08	S ₂	82				
		SE ₁					

423.71 38755205 Mean Temp 64.857. Rain & over 0.86
(908)

AUGUST 1861.

Aug.	Baro. meter	Wind.	Thermom. Lowest 9 a.m.	Highest	Weather, &c.	Thermometer 8 p.m.	Notes	Rain. 0.86
Th. 29.	29.97	SW ₁ .	55		Blue haze, & electric clouds, but fair and some sun; more haze & clouds with more wind after 1 p.m., again bright & calm from 4 1/2 p.m. Electric & more wind 9 p.m.		very fine weather.	
	30.12	W ₃ .		68				
		W ₁ .		74				
		2.						
F. 30.	-21	W ₂ .	58		Hazy, & sultry, clearer after 9, but rather windy most of the day, & many clouds, yet very warm. Clear, calm, and cooler at night.		Breezy & fair.	
	-32	W ₄ .		66				
		W ₂ .		71				
S. 31.	-41	W ₀ .	48		Clear, very bright all day, and very hot, with very little wind, & sometimes none. Evening very bright, hot, & quite calm. and fine golden ☉ set.		δ 0.24 Exceedingly fine.	
	-38	W ₂ .		66				
		SW ₀ .		77				
181.41			161	222	Mean Temp 3 days 63° 83.		Rain - 0.86	

Barometer
Highest on 31st — 30.41
Lowest on 8th — 29.80
Range — 0.61
Mean of Month — 30.14
A Gale on one day. (24th).

Thermometer,
Highest on 12th — 90°
Lowest on 22nd & 31st — 48°
Range — 42
Mean daily range — 18.75
Mean of Month — 66.46

Prevailing winds SW, and W. Fine days 27! — Depth of rain only .86 of an Inch.

This month was delightfully fine and very hot in the East and South of England, and some other parts of the Kingdom, but the North part of Britain had much more rain up to the 20th than we. — Harvest closed with the month in most Counties of the S & E districts, and the wheat and barley were excellent. — Public health fair, and on the whole a magnificent August with us!

September 1861.

Sept.	Baro. meter	Wind.	Thermom. Lowest 9 a.m.	Highest	Weather, &c.	Thermometer 8 p.m.	Notes	Rain.
Su. 1.	30.29	SSE ₁ .	53		Quite clear, very bright, and gentle wind, but very hot, and the afternoon extremely so. — Sun set. red in purple haze, small dapples rising from WSW.		Exceedingly fine & hot. at 2 1/2 p.m. 82°, and at 4 p.m. 80°.	
	-13	SW ₁ .		70				
		SW ₁ .		82				
		SSE ₁ .		71				
M. 2.	-09	SW ₁ .	56		Light electric clouds, and very close, became bright and very hot, but more wind at times. Sun set. in cirri & much haze. Very close & hazy night.		δ 248 δ 88	
	-07	SW ₂ .		69				
		SW ₁ .		79				
Tu. 3.	29.96	SW ₁ .	60		Sultry with electric clouds, little flying rain 8 a.m.; & scattering drops at times, P.M. but chiefly fair and hot, with flying clouds; Red rocky clouds in the Evens.		δ 248 lightning E. 8 p.m.	
	-90	SW ₃ .		65				
		SW ₂ .		73				
W. 4.	30.07	SW ₂ .	56		Flying clouds, and wind very squally, but warm & fine. Warm breeze, and mottled sky all the Evens. — Very sultry night, and breeze continued.		δ 08 new moon 10.12 p.m.	
	-05	SW ₄ .		62				
		SW ₃ .		71 1/2				
Th. 5.	-13	W ₂ .	59 1/2		Very fine, bright, and very hot, with fleecy clouds, very sultry, calm, cloudy Evening, and remarkably hot all the night.		δ 0 1/2 δ 11 1/2	
	-18	W ₁ .		67				
		SW ₀ .		75 1/2				
F. 6.	-00	SW ₂ .	64		Very sultry, with much electric cloud, and brisk wind; followed by rain after 2 p.m., and at times till 5 p.m. Fine Evens and clearer.		79 Δ 11 1/2	
	29.85	SW ₃ .		69				
		SW ₂ .		73				
S. 7.	-92	SW ₂ .	54		Clear, then squally, little rain again bright, with many clouds and strong wind. Evens less wind, and more settled. Fine & clearer night.		□ 11 1/2 very windy.	
		W ₆ .		62				
		W ₄ .		66				
		W ₂ .						
421.74			4025	520	Mean Temp 65° 89.		Rain cal over 0.21	
					(922.5)			

September 1861.

Sept.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	notes.	Rain.
Su. 8.	30.20 -13	W ₁ SW ₂ SW ₂	50 63 69		Clear, very bright, some clouds after 10, but sunny warm, and very fine. At 4 pm, blue haze, & more cloudy, and the Evening chiefly cloudy. Rain at 8 & 11.	0.21
M. 9.	-04 -06	SW ₂ W ₂ W ₁	56 63 72		Bright with flying clouds, and became brighter, & very hot in the afternoon. Electric clouds, and rich sunset. Little fog during the night.	
Tu. 10.	-07 -11	W ₁ NW ₂ NE ₁	47 63 69		Fog below, clear above, soon very bright, and so continued, with small cumuli clouds, very clear orange. ☉ set, and cool dewy night. - Mist on the vales.	
W. 11.	-11 -12	NW ₀ E _{1/2} E ₀ S E ₁	44 62 68		Quite clear & cool morning, the day bright & warm, with cumuli clouds, & nearly calm; very clear night, and heavy dew. - Mist on valleys.	
Th. 12.	-22 -32	S E ₁ SSE ₂ S ₂ S E ₁	42 63 73		Fog, but clear upward, became very bright, and hot, so continued all day. - Evening electric, and hazy, but moon bright, and a very warm night.	
F. 13.	-28 29.99	S ₂ S ₄ SW ₃	56 1/2 61 64		Cloudy with fog early, continued cloudy, & electric, followed by rain about noon, clearer with sun at 3 pm, but a squally evening, & flying rains. - Fine night.	
S. 14.	-87 -80	SW ₃ SW ₄ SW ₁	52 60 66		Bright & windy morning, very blowing day, flying clouds, and sun. few rain drops at times, and harder shower 4 pm. - Evening finer, less wind.	
42132		3475481		Mean Temp 59.17.) Rain cal up 0.48 (828.5)		

September 1861.

Sept.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	notes.	Rain.
Su. 15.	29.80 -80	W ₄ W ₄ W ₄	49 56 59		Flying shower 2 am, blowing morning, flying clouds, & sun, but very cloudy from 9 am, all day, and much colder. Rainy Evening, & wind squally. Night finer.	0.3 10
M. 16.	-95 30.11	NW ₄ NW ₃ NW ₂	51 56 58		Cool & squally, with much cloud, & drifty rain at times, in thick & light showers, but harder at times, in the evening. Finer after 8 pm.	0.8 0.5
Tu. 17.	-22 -29	NW ₂ NW ₂ NW ₁	47 54 59		Hazy, but became bright at 10 am. afterwards clouds & sun, less wind and brighter evening. - very cool & bright moonlight night. - mist on the vales.	
W. 18.	-31 -30	NW ₁ W ₁ W ₀	40 56 67		Fog below, clear upwards, became very bright, and again very warm; the evening more clouded, and hazy, very pleasant & calm, - and a close night.	
Th. 19.	-29 -19	W ₁ W ₂ SW ₁	51 63 71 1/2		Hazy, close, & calm; became very bright & hot after 8 am, little wind, but at times calm: - close & hazy evening, - and very sultry all night.	
F. 20.	-02 29.97	S ₂ SW ₂ SW ₂	53 60 64		Sultry, dark haze, & electric, brighter & very fine till noon, short shower at 1 pm, again fine, with sun at times; evening hazy but fair.	0.4
S. 21.	-98 -80	SW ₁ S ₂ SSE ₂ SSE ₂	44 56 64 1/2		Bright, very fine & warm till after 2 pm, then cloudy, & thick, little rain at 4, and again at 7 1/2 pm, and hard till after 9. - then finer.	0.22
42103		335443		Mean Temp 55.57.) Rain cal over 1.00 (778)		

September 1861.

Sept.	Baro. meter	Wind.	Thermom. 9 am Highest		Weather, &c.	Thermom. 8 pm.	Notes.	Rain.
Su. 22.	29.68	SW ₂ SW ₂ SW ₁	50 58 62.2		Flying clouds, & sun; but fair. More hazy & thick after 1 pm: again clearer after 4, & very little wind. Squally after midnight.	56		1.00
Mo. 23.	-42 -61	SW ₆ SW ₇ WSW ₃	52 60 65		Blowing & rain early, warm morn, dappled. Arcs, with strong wind & sun, fine and bright all day, but wind strong. Bright even, less wind.	57	Equinox. warm but blowing.	.25
Tu. 24.	-54 -53	SW ₃ SW ₃ SW ₂	4 1/2 57 64		Rain at 4 am, bright after sunrise, & so continued, but some storms of rain at a distance, some thunder. Showery night.	56	Δ H & Q fair, and pleasant	.07
W. 25.	-46 -46	SW ₁ S ₂ S ₁	49 55 61		Cloudy & hazy, with sun, rain at 11 am, fine sunny afternoon, but rain to the south. - Very electric clouds all the evens.	55	pleasant afternoon.	.16
Th. 26.	-66 -94	W ₂ NW ₁ SW ₀	50 55 60		Stormy sky, much cloud & few drops of rain, but sun at times, Calm and serene evening, rosy & set, & clear night.	53		.03
F. 27.	30.08 -10	SE ₀ S ₁ SE ₂	41 55 65		Bright, & calm morn, fog below: continued bright with light electric clouds, Hazy evening. Warmer & breezy night.	58	moon. last 2r. 6. 24 am.	
S. 28.	-05 -01	SE ₂ SSE ₅ SE ₃ SE ₂	54 60 66		Red & hazy morn, warm breeze. Day cloudy from 8 am, and wind very galy; Bright afternoon, very warm and less wind. Hazy at 7 & 8 pm. but sultry.	60	very warm but wet. Evens.	.10
41 678		34354435		Mean Temp 56° 21. Rain cal up 1.73				
(787)								

September 1861.

Sept.	Baro. meter	Wind.	Thermom. Lowest 9 am Highest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain. 1'73
Su. 29.	29.98 30.11	S ₂ SSW ₁ S ₁	55 61 68	Cloudy with sun, and close air, became bright and hot from 10 am, and dappled sky in the afternoon. Clear & warm evening, & gentle wind.	61	very warm & pleasant.	
M. 30.	-12 -02	SSE ₁ SE ₂ ESE ₂	52 64 71	Hazy & dappled, became very hot and bright, with fresh breeze, and small electric clouds very sultry evens & night.	63	* 24°	
120.23		107 139		Mean Temp 2 days 61° 5. Total Rain 1.73			

Summary Sept. 1861.

Barometer.	Thermometer.
Highest on the 12 th - 30.32	Highest on the 1 st - 82°
Lowest on the 23 rd - 29.42	Lowest on 18 th morn - 40°
Range - 0.90	Range - 42
Mean of Month 30.00.	Mean Daily Range 16.7
Gale one day - 23 rd .	Mean of Month - 59° 36.
Prevailing winds SW, W, & S. - Fine days - 17. -	
Depth of rain 1.73 inch.	

This was on the whole, a fine and hot month in the East, South, & South West parts of England, the temperature considerably above usual mean, and not much sickness, either in Town or Country. - Some pleasant rains at times, but the surface long parched, and heated was so as to evince but very trifling effects from the rain at this period. - Pastures and root-crops suffer, and the pools and rivulets dry.

October 1861.

Oct.	Baro. meter	Wind.	Thermom. Lowest 9 Highest	Weather, &c.	Thermom. 8pm	notes.	Rain.
Tu. 1.	29.92	S. 0.	59	Very sultry, close, & little wet to 2 m, soon very fine, calm, & hot. sultry day, sun at times, & much electric cloud. - very close heavy Evens. -	64	very hot & sultry air. -	.02
W. 2.	29.96	W. 1.	57	Fog early, and some fog till near 10 am, then bright, and very warm; red mottled clouds at sunset. Some fog during night. -	63	* 1/2 ♀	
Th. 3.	30.17	W. 0.	47	Fog early, but became bright and hot for the season; Evening chiefly clear, with few light clouds, and near ly calm. -	66	☐ H H	
F. 4.	30.31	S. 1.	59	Bright & very warm, with a parching breeze, and more wind after 1 pm. - Some clouds of electric forms, but fine Evens. and night. -	67	new moon 6.56 am.	
S. 5.	30.22	S. 1/2.	52	Fog early & till 9 am, then very bright, and very hot, the afternoon like perfect sum- mer. Evening hazy, clouded, & electric. few rain drops. -	63	great heat for the season.	
Su. 6.	30.18	S. 0.	72	Overcast, followed by rain from 8 am, till 11 am, then close, but chiefly fair, ex- cept slight misting at 2 pm. Close evens, and calm. -	58		.21
M. 7.	30.36	N. E. 1.	55	Sultry & foggy, heavy dripping fog, and near the same all the day, close and damp but very warm. -	55		.04
	30.27	E. 1/2.	55		61		
	30.15	S. E. 2.	61		64		
	30.44	S. E. 1.	57		59		
	30.54	S. E. 1.	63		64		
	30.78	S. E. 0.	71		65		
	30.87	S. E. 0.	71		65		
	30.92	S. E. 1.	64		64		
	30.99	S. E. 2.	73 1/2		65		
	31.06	S. E. 1.	64		64		
	31.17	S. E. 1.	63		66		
	31.22	S. E. 1.	66		66		
	31.27	S. E. 1.	66		66		
	31.31	S. E. 1.	66		66		
	31.36	S. E. 1.	66		66		
	31.41	S. E. 1.	66		66		
	31.46	S. E. 1.	66		66		
	31.51	S. E. 1.	66		66		
	31.56	S. E. 1.	66		66		
	32.01	S. E. 1.	66		66		
	32.06	S. E. 1.	66		66		
	32.11	S. E. 1.	66		66		
	32.16	S. E. 1.	66		66		
	32.21	S. E. 1.	66		66		
	32.26	S. E. 1.	66		66		
	32.31	S. E. 1.	66		66		
	32.36	S. E. 1.	66		66		
	32.41	S. E. 1.	66		66		
	32.46	S. E. 1.	66		66		
	32.51	S. E. 1.	66		66		
	32.56	S. E. 1.	66		66		
	33.01	S. E. 1.	66		66		
	33.06	S. E. 1.	66		66		
	33.11	S. E. 1.	66		66		
	33.16	S. E. 1.	66		66		
	33.21	S. E. 1.	66		66		
	33.26	S. E. 1.	66		66		
	33.31	S. E. 1.	66		66		
	33.36	S. E. 1.	66		66		
	33.41	S. E. 1.	66		66		
	33.46	S. E. 1.	66		66		
	33.51	S. E. 1.	66		66		
	33.56	S. E. 1.	66		66		
	34.01	S. E. 1.	66		66		
	34.06	S. E. 1.	66		66		
	34.11	S. E. 1.	66		66		
	34.16	S. E. 1.	66		66		
	34.21	S. E. 1.	66		66		
	34.26	S. E. 1.	66		66		
	34.31	S. E. 1.	66		66		
	34.36	S. E. 1.	66		66		
	34.41	S. E. 1.	66		66		
	34.46	S. E. 1.	66		66		
	34.51	S. E. 1.	66		66		
	34.56	S. E. 1.	66		66		
	35.01	S. E. 1.	66		66		
	35.06	S. E. 1.	66		66		
	35.11	S. E. 1.	66		66		
	35.16	S. E. 1.	66		66		
	35.21	S. E. 1.	66		66		
	35.26	S. E. 1.	66		66		
	35.31	S. E. 1.	66		66		
	35.36	S. E. 1.	66		66		
	35.41	S. E. 1.	66		66		
	35.46	S. E. 1.	66		66		
	35.51	S. E. 1.	66		66		
	35.56	S. E. 1.	66		66		
	36.01	S. E. 1.	66		66		
	36.06	S. E. 1.	66		66		
	36.11	S. E. 1.	66		66		
	36.16	S. E. 1.	66		66		
	36.21	S. E. 1.	66		66		
	36.26	S. E. 1.	66		66		
	36.31	S. E. 1.	66		66		
	36.36	S. E. 1.	66		66		
	36.41	S. E. 1.	66		66		
	36.46	S. E. 1.	66		66		
	36.51	S. E. 1.	66		66		
	36.56	S. E. 1.	66		66		
	37.01	S. E. 1.	66		66		
	37.06	S. E. 1.	66		66		
	37.11	S. E. 1.	66		66		
	37.16	S. E. 1.	66		66		
	37.21	S. E. 1.	66		66		
	37.26	S. E. 1.	66		66		
	37.31	S. E. 1.	66		66		
	37.36	S. E. 1.	66		66		
	37.41	S. E. 1.	66		66		
	37.46	S. E. 1.	66		66		
	37.51	S. E. 1.	66		66		
	37.56	S. E. 1.	66		66		
	38.01	S. E. 1.	66		66		
	38.06	S. E. 1.	66		66		
	38.11	S. E. 1.	66		66		
	38.16	S. E. 1.	66		66		
	38.21	S. E. 1.	66		66		
	38.26	S. E. 1.	66		66		
	38.31	S. E. 1.	66		66		
	38.36	S. E. 1.	66		66		
	38.41	S. E. 1.	66		66		
	38.46	S. E. 1.	66		66		
	38.51	S. E. 1.	66		66		
	38.56	S. E. 1.	66		66		
	39.01	S. E. 1.	66		66		
	39.06	S. E. 1.	66		66		
	39.11	S. E. 1.	66		66		
	39.16	S. E. 1.	66		66		
	39.21	S. E. 1.	66		66		
	39.26	S. E. 1.	66		66		
	39.31	S. E. 1.	66		66		
	39.36	S. E. 1.	66		66		
	39.41	S. E. 1.	66		66		
	39.46	S. E. 1.	66		66		
	39.51	S. E. 1.	66		66		
	39.56	S. E. 1.	66		66		
	40.01	S. E. 1.	66		66		
	40.06	S. E. 1.	66		66		
	40.11	S. E. 1.	66		66		
	40.16	S. E. 1.	66		66		
	40.21	S. E. 1.	66		66		
	40.26	S. E. 1.	66		66		
	40.31	S. E. 1.	66		66		
	40.36	S. E. 1.	66		66		
	40.41	S. E. 1.	66		66		
	40.46	S. E. 1.	66		66		
	40.51	S. E. 1.	66		66		
	40.56	S. E. 1.	66		66		
	41.01	S. E. 1.	66		66		
	41.06	S. E. 1.	66		66		
	41.11	S. E. 1.	66		66		
	41.16	S. E. 1.	66		66		
	41.21	S. E. 1.	66		66		
	41.26	S. E. 1.	66		66		
	41.31	S. E. 1.	66		66		
	41.36	S. E. 1.	66		66		
	41.41	S. E. 1.	66		66		
	41.46	S. E. 1.	66		66		
	41.51	S. E. 1.	66		66		
	41.56	S. E. 1.	66		66		
	42.01	S. E. 1.	66		66		
	42.06	S. E. 1.	66		66		
	42.11	S. E. 1.	66		66		
	42.16	S. E. 1.	66		66		
	42.21	S. E. 1.	66		66		
	42.26	S. E. 1.	66		66		
	42.31	S. E. 1.	66		66		
	42.36	S. E. 1.	66		66		
	42.41	S. E. 1.	66		66		
	42.46	S. E. 1.	66		66		
	42.51	S. E. 1.	66		66		
	42.56	S. E. 1.	66		66		
	43.01	S. E. 1.	66		66		
	43.06	S. E. 1.	66		66		
	43.11	S. E. 1.	66		66		
	43.16	S. E. 1.	66		66		
	43.21	S. E. 1.	66		66		
	43.26	S. E. 1.	66		66		
	43.31	S. E. 1.	66		66		
	43.36	S. E. 1.	66		66		
	43.41	S. E. 1.	66		66		
	43.46	S. E. 1.	66		66		
	43.51	S. E. 1.	66		66		
	43.56	S. E. 1.	66		66		
	44.01	S. E. 1.	66		66		
	44.06	S. E. 1.	66		66		
	44.11	S. E. 1.	66		66		
	44.16	S. E. 1.	66		66		
	44.21	S. E. 1.	66		66		
	44.26	S. E. 1.	66		66		
	44.31	S. E. 1.	66		66		
	44.36	S. E. 1.	66		66		
	44.41	S. E. 1.	66		66		
	44.46	S. E. 1.	66		66		
	44.51	S. E. 1.	66		66		
	44.56	S. E. 1.	66		66		
	45.01	S. E. 1.	66		66		
	45.06	S. E. 1.	66		66		
	45.11	S. E. 1.	66		66		
	45.16	S. E. 1.	66		66		
	45.21	S. E. 1.	66		66		
	45.26	S. E. 1.	66		66		
	45.31	S. E. 1.	66		66		
	45.36	S. E. 1.	66		66		
	45.41	S. E. 1.	66		66		
	45.46	S. E. 1.	66		66		
	45.51	S. E. 1.	66		66		
	45.56	S. E. 1.	66		66		
	46.01	S. E. 1.	66		66		
	46.06	S. E. 1.	66		66		
	46.11	S. E. 1.	66		66		
	46.16	S. E. 1.	66		66		
	46.21	S. E. 1.	66		66		
	46.26	S. E. 1.	66		66		
	46.31	S. E. 1.	66		66		
	46.36	S. E. 1.	66		66		
	46.41	S. E. 1.	66		66		
	46.46	S. E. 1.	66		66		
	46.51	S. E. 1.	66		66		
	46.56	S. E. 1.	66		66		
	47.01	S. E. 1.	66		66		
	47.06	S. E. 1.	66		66		
	47.11	S. E. 1.	66		66		
	47.16	S. E. 1.	66		66		
	47.21	S. E. 1.	66		66		
	47.26	S. E. 1.	66		66		

October 1861.

Oct.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Notes.	Rain 0.63
Tu. 15.	30.27	SE ₁ SE ₁ SE ₁	49 61 69		Fog early and till 10 am, afterwards bright and hot, with gentle wind. Even and night foggy, but moon bright. —	59
W. 16.	-31 -38	NW ₂ N ₃ NE ₁	48 56 57		Fog early, cloudy all day, fog gone, but cooler, & more wind. Clearer after 4 pm, less wind. Evening chiefly clear. — Much cooler than of late. —	* 24 ♀ 54
Th. 17.	-43 -45	E ₀ E ₂ E ₀	40 51 58		Clear, colder morning, fine day, clouds and sun, and a gentle cool breeze. Calm evening and night, and a mild air. —	* 7 ♀ 50
F. 18.	-34 -27	E ₀ SE ₂ SE ₀	45 55 59		Red morning, very fine and drying day, sun and brisk wind. — but a calm even and night, and chiefly clear. —	Full moon 6.38 pm. 48
S. 19.	-17 -12	SE ₁ SE ₂ SE ₁	41 54 61		Little fog early, but a very fine, bright, and warm day, and brilliant moonlight. Even; foggy night. —	52
Su. 20.	-03 -04	SE ₁ SE ₁ SE ₁	41 54 62		Fog till near 9, cleared slowly, very fine, warm, & bright from 11 am, some electric clouds, & gentle wind. Fine even & night, nearly clear. —	Ash leaf falls 54
M. 21.	-01 29.93	SE ₂ SE ₃ SE ₄	45 55 60		Bright, with light clouds, & fresh breeze, very bright afternoon, and more wind. Cloudy warm, & blowing in the evening. —	64 ♀ 60
42303 309426 Mean Temp 52° 5. — Rain cal up 0.63						

735

October 1861.

Oct.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Notes.	Rain 0.63
Tu. 22.	30.00 -04	SE ₁ SE ₂ SE ₂	54 61 66		Very bright and warm, and hot in the afternoon, but more clouds after 3, and very electric. Gustly wind & rain 6 pm, then fine & less wind. —	* 8 ♀ continued warm weather. 08
W. 23.	-15 -26	SE ₁ S ₃ SSE ₁	49 55 60		Bright with light clouds, and very drying breeze. Fine clear evening, and much cooler air. —	52
Th. 24.	-22 -22	SE ₂ SE ₃ SE ₂	49 57 62		Red morn, bright with some light mottled clouds; very fine and warm day. — Evening mild and breezy, slight haze, & light clouds. —	very fine and pleasant. 57
F. 25.	-26 -28	SE ₁ S ₂ S ₀	55 61 64		Very sultry, close air, little sun, and many clouds, very warm & summer-like day. Calm close, & cloudy evening & night. —	very sultry & close. 60
S. 26.	-34 -30	NE ₁ NE ₂ NE ₁	50 54 58		Cloudy, & calm, but soon clear, and a fresh breeze, bright, and very fine, the afternoon quite clear, but some clouds in the evening. —	moon last. Dr. - 9.54 pm. 49
Su. 27.	-27 -23	NE ₁ NE ₂ NE ₂	44 50 58		Clear morn, & chiefly bright till after 11 am, then cloudy & cooler breeze. Some clouds, and wind all the evening and night. —	8 ♀ 51
M. 28.	-26 -28	NE ₂ E ₃ E ₂	46 51 56		Cloudy, with sun, and very brisk wind, cooler than of late, but very fine: — Drops of rain at 6 pm, but a clear evening afterwards. —	Aurora Borealis at eve. 46
42311 3474245 Mean Temp 55° 1. — Rain cal down 0.71						

771.5

October 1861.

Oct.	Baro- meter.	Wind.	Thermom. Lowest 9 a.m.	Thermom. 8 p.m.	notes.	Rain.
Tu. 29.	30.18	NE ₂	44		Cloudy & little rain early, fine day, clouds and sun, with a brisk wind.	
		NE ₃	50		Evening chiefly cloudy, and much less wind.	
	-13	NE ₁		55		
W. 30.	-10	NE ₁	46		Clouds, and sun, very fine and calm day, and the evening calm, and some clouds. Night clear.	
		NE ₀	50			
	-07	N ₀		57		
Th. 31.	-00	SE ₁	40		Cloudy after 5 a.m., till near 11, then bright, with rocky clouds, close evening, threatening to rain soon.	
		SW ₂	51			
	29.83	SW ₂		55		
	180.31		130	167	Mean Temp 3 days 49° 5. Total rain 0.74	

Barometer.

Highest on 17th — 30.45

Lowest on 11th — 29.62

Range — 0.83

Mean of month — 30.15.

No gales all this month.

Thermometer.

Highest on the 8th — 73.5.

Lowest on 17th & 31st — 40°

Range — 33.5

Mean daily range 13.58.

Mean of month — 56° 46!

The highest ever noted in Oct.

Prevailing wind S.E., Fine days 26: and depth of rain 0.74 of an Inch.

This was the warmest October ever recorded here, and at the same time, the finest, and on the whole a most Magnificent month of loveliness and comfort in these parts of England at least. The reign of sunshine, and summer warmth, so that the temperature was full 7 above usual mean, and from 10 to 12 over what has been known in a few instances!

November 1861.

Nov.	Baro- meter.	Wind.	Thermom. Lowest 8 a.m.	Thermom. 8 p.m.	notes.	Rain.
Fr. 1.	29.47	SW ₂	45		Rain from 4 to 6 a.m., afterwards fair, and the afternoon bright, but colder than of late. Even's cold & clear.	
		W ₂	46			
	-40	W ₁		46		
S. 2.	-19	WSW ₄	32		Windy, heavy snow & rain from 5 a.m., till after 9 a.m. then very blowing, cloudy & cold: and blowing evening & night.	
		WNW ₆	32			
	-40	W ₅		41		
Su. 3.	-70	W ₃	35		Little hazy & clouds with sun, became bright, with lighter clouds, very fine & cold.	
		WNW ₃	38		Evening clear, and little frost. but less wind.	
	30.01	NW ₂		46		
Mo. 4.	-07	SW ₁	30		Hazy, and frost, red morn'g. day chiefly fine, with low clouds, & some sun, and a gain milder, but a few drops of rain.	
		SW ₂	33		Mild night.	
	-04	SW ₂		46		
Tu. 5.	29.87	S ₄	42		Cloudy, blowing, & milder, little sun at 11 a.m. Heavy storms of rain & hail 2 p.m. & till near 4 p.m. then a fine even's. chiefly clear.	
		S ₄	50			
	-72	SW ₂		54		
W. 6.	-70	S ₃	38		Heavy rain at 7 a.m., and the day showery with sun at times. Evening unsettled but chiefly fine all night.	
		SW ₁	45			
	-55	SW ₁		49		
Th. 7.	-54	SW ₁	35		Clear morn'g. and very fine and bright day, more clouds after 3, but a clear frosty evening. Aurora brilliant in the North.	
		SW ₂	35			
	-57	SW ₁		48		
	41.5.23		257.5	330	Mean Temp 41° 96. —) Rain & over 1.37	
			587.5			

great fall of temperature.

new moon 4.3 p.m. much snow A.M.

very fine & bleak air.

another change of temperature at night.

Heavy rain & some hail.

very fine. Aurora bright at eve in the N

November 1861.

Nov.	Baro. meter	Wind.	Thermom. Lowest 8 am	Thermom. highest 8 pm	Weather, &c.	notes	Rain. 1'37
F. 8.	29.47	SW ₁ SW ₂ SW ₂	32 ² 32 ² 46		Fog & heavy frost, then hazy with sun; but from 11 am, very bright, and a bleak air: clouds and haze in the even ^g , & night. 41	very fine day.	
S. 9.	-47	W ₂ W ₁ W ₀	36 37 47		Cloudy, some rain early in the morn ^g , but became fine and very bright in the afternoon. Clear, & frosty even ^g . — 36	moon 1st Dr 10.44 am.	.05
Su. 10.	-49	SSE S SW ₃	32 44 48		Change - blowing & very wet morn ^g , ending with a violent gale at 7 pm. then fair & sun, with less wind. Even ^g again showery. 42	very wet and galy. with thunder.	.39
M. 11.	-61	SW ₂ SW ₃ SW ₃	37 38 49		Bright morn ^g , and the same all day, with a briak air, and light clouds till 4 pm, then squally & showery. Even ^g clear. — 38	Lightning East at 8 pm	.03
Tu. 12.	-91	SW ₂ S SE ₁	35 37 46		Hazy, some clouds, follow- ed by light rain at in- tervals till 2 ³ pm, and again most of the eve- ning. — Foggy night. — 42	* ☉ & transit over ☉	.04
W. 13.	-90	E NE ₄ NE ₆	33 34 48		Fog, little frost, soon over- cast dark, and rainy, and a very wet and blowing Evening, and awful gale and rain all night. — 43	very wet and dark. Thermom highest at 11 pm.	.62
Th. 14.	-10	NW ₈ W ₇ W ₅	37 40 42		Violent gale all the morn- ing, & much rain, and blew hard all day, with fast rain: rather less wind after 3 pm. — 39	* ☉ very wet & blowing day.	.48
413.77		2425.326		Mean Temp 40°.6.) Rain cald up. 3.63			
		568.5					

November 1861.

Nov.	Baro. meter	Wind.	Thermom. Lowest 8 am	Thermom. highest 8 pm	Weather, &c.	notes	Rain. 3.63
F. 15.	29.44	W ₃ W ₂ NW ₂	37 38 42		Cloudy but soon bright, & very so till 1 pm, afterwards some clouds, & keen air. moon-light even ^g , & frosty air. — 35	cold but fine.	
S. 16.	-64	NW ₁ W ₂ W ₁	27 27 36		Clear, hard frost, and a little haze. More clouds after 2 pm, but continued frosty. The Even ^g in part clearer, and frost. — 32	very keen frost.	
Su. 17.	-89	NW ₃ NW ₂ NW ₂	30 33 37 ¹ / ₂		Frost, & little flights of snow, but mostly fair. any keen air, and bright moon at even ^g , & more frost. 30	Full moon 1.7 pm.	
M. 18.	-31	Var. 0 NW ₁ NW ₀	25 25 37		Clear, & very hard frost, con- tinued bright all day, but a sharp air. Evening very clear, calm, & bright moon- light. Some fog rising. — 29	Sharper frost.	
Tu. 19.	-60	SW ₁ SW ₃ SW ₄	24 28 41		Sharp frost, but hazy & red after 6 am, fine day, but more wind, and cirrus cloud. Hazy, cloudy, and windy evening & thunder. 37	* ♀ severe thunder & lightning 9 ¹ / ₂ pm.	Also, a great meteor at 9 ¹ / ₂ pm.
W. 20.	-31	SW ₂ SW ₂ SW ₃	36 38 47		Hazy & electric, became very bright, and mild, with a briak wind. Clear evening, and wind briak as before. 37	fine, & mild.	
Th. 21.	-02	SW ₄ SW ₅ SW ₆	36 44 53		Cloudy and mild, little sun at times, and very windy. wind increasing in the even- ing, & very warm, & cloudy. 50	very mild	
420.65		2152.935		Mean Temp 36°.32.) Rain cald over 3.63			
		508.5					

November 1861.

Nov.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	notes.	Rain.
F. 22.	29.70 -50	SW ₃ . SW ₃ . SW ₁ .	46 47 48		Cloudy, and very mild, continued dark & close with rain at 2 pm, & continued a very rainy evening till 9 pm.	3.63
S. 23.	-43 -64	SW ₂ . W ₄ . NW ₁ .	34 35 44		Clear morn'g, and continued bright, with flying clouds, and brisk wind. Clear & frosty evening, and wind gone.	27
Su. 24.	-94 30.20	NW ₂ . NW ₁ . NW ₀ .	29 31 36		Clear & white frost, continued bright, with bleak air all the day, evening clear, calm, & sharper frost, but thick in S.	27
M. 25.	-07 29.85	SW ₄ . S ₆ . S ₆ .	26 39 45		Change to clouds & wind very blowing all day, and cloudy more or less, and a milder even'g, & night, wind strong, little wet.	04
Tu. 26.	-60 -77	SW ₅ . SW ₆ . W ₃ .	43 54 58		Very warm, cloudy & blowing with rain at times, but rather clearer from 4 pm much less wind, & veered to W. - Fine & clear night.	05
W. 27.	-90 -92	W ₀ . SW ₁ . SW ₁ .	36 38 45		Red clouds, calm morn'g in part clear. - Hazy, and cloudy in the day, some sun, and clear frosty even'g.	27
Th. 28.	30.03 -08	SW ₀ . SW ₁ . SW ₀ .	29 31 42		White frost, bright all the day, with some light clouds, evening somewhat foggy, but frosty & clear above.	33
417.63		243.53185		Mean Temp 40° 14. Rain cal up 3.99		
		56.2				

November 1861.

Nov.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	notes.	Rain.
F. 29.	29.84 -87	S ₆ . SW ₄ . SW ₄ .	33 48 56		Mild again, blowing, wet & dark morn'g, and till noon, then fairer, very close & warm afternoon and evening. - Very close night.	23
S. 30.	-89 -92	SW ₃ . SW ₄ . W ₁ .	53 56 56		Extremely close & mild, but lowering & dark, with some rain in the forenoon: fine at noon, then again showery, clearer even'g, less wind.	08
119.52		86/113		Mean 2 days 49.75! Total rain 4.34		

Barometer.
Highest on 19th — 30.60
Lowest on 14th — 29.10
Range — 1.50
Mean of month — 29.78
Gales on 8 days.

Thermometer.
Highest on the 26th — 58°
Lowest on the 19th — 24°
Range — 34
Mean daily range 11.23.
Mean of month 40° 42.

Prevailing wind SW, number of fair days 15, and the depth of rain 4.34 inches.

This was a rainy month, with some cold weather, a great contrast to the previous month; but it was a most merciful supply of moisture, so much needed, after the long warm & dry period, and greatly favoured all farm labour, in ploughing and seeding. - There was much electricity in the air all the month, with many sudden oscillations both of Barometer, and Thermometer.

December 1861.

Dec.	Baro. meter	Wind.	Lowest 8 am	Highest 8 pm	Thermometer 8 pm	Notes	Rain
Su. 1.	29.90	SW ₆ W ₄ W ₂	41	45	47½	Clear & blowing morn'g, afterwards clouds, & sun, with little showers. - Even'g showery, wind less. Night fine & frosty. -	05 08
M. 2.	30.52	SE ₀ SE ₁ S ₁	28½	28½	42	White frost, fair and sunny, with distant clouds & lighter ones upward. - Red clouds & haze at sun-set. - Evening frosty. -	new moon 2.17 am. 34
Tu. 3.	-40	SE ₀ SE ₂ SE ₀	29	30	42	Frosty light haze, & red cir- rostratus: very bright after- noon, and the same all day. Clear & frosty even'g & night. -	Trees all leafless. 31
W. 4.	-30	SE ₀ SE ₂ SE ₃	27	30	42	Clear & frost, bright with a few light clouds, and more wind after 10 am. Some haze in the even'g, and wind rising still more. -	Aurora- Borealis 8 & 9 pm. 37
Th. 5.	29.84	SSE ₁ SW ₂ W ₂ NW ₂	34	40	43	Rain early a m, continued dark, & wet with blue fog till after 11 am. Bright afternoon & wind cleared. Somewhat ha- zy in the even'g. -	Dark & wet morn'g. Fair PM. 35
F. 6.	-82	W ₁ SW ₁ SE ₂ S ₅	31	33	44	Frosty & little fog, with mot- tled sky above it, soon very cloudy & gloomy, with rain at times. Hard rain all the even'g, milder & blowing.	80 H. blowing & wet night. 38
S. 7.	-23	SW ₆ W ₄ W ₁	44	51	52½	Very wet & blowing morn'g, till after 7, then clearer, a bright & drying afternoon. Wind died away to calm. -	32
419.86					2345.313	Mean Temp 39° 1.) Rain cal' up 1.20	
					547.5		

December 1861.

Dec.	Baro. meter	Wind.	Lowest 8 am	Highest 8 pm	Thermometer 8 pm	Notes	Rain
Su. 8.	29.58	SW ₃ SW ₂ SW ₁	41	47	52½	Little shower early, bright & mild morn'g, and a very pleasant sunny & mild day, little blue haze at times, sun set red in haze. - Large meteor 8 pm. -	03 sunny & mild.
M. 9.	-93	S ₃ S ₂ S ₂	40	44	53	Very mild, with bright sun, and light clouds, bright moon at eve, and last of white cloud diverging up from SW to zenith. -	moon 1 st Dr 3.9 am. very mild. 42
Tu. 10.	29.97	S ₃ S ₄ SSE ₃	42	48	52	Cloudy, damp, & mild, some sun at times & a brisk wind. Evening cloudy, and some rain after 7 pm, but soon fine again. -	Still very mild. 42
W. 11.	30.10	SW ₁ SW ₁ SW ₄	38	38	49½	Very fine, bright, & mild, very little wind, and but few clouds, except cirri in the morn'g. Even'g clear a- bove, mist below. -	wind rose af- ter 8 pm. 38
Th. 12.	-02	S ₄ S ₃ S ₅	38	49	51	Mild, blowing & wet from 5 till 9 am, then finer, but very cloudy, & wind squally, increasing in the even'g. -	mild & squally 47
F. 13.	-65	S ₄ S ₅ S ₇	46	49	52½	Cloudy, blowing, & mild, little rain in the forenoon, but a bright and windy afternoon, increased to a heavy gale at eve. -	very mild & squally. 48
S. 14.	-93	SW ₃ SW ₃ SW ₂	40	41	48	Clear, less wind, fine, bright, & drying day, very little cloud, Evening more hazy, & a mottled sky. - Mild night. -	□□H 43
418.82					285.358.5	Mean Temp 45° 96. -) Cal' over - 1.40	
					643.5		

December 1861.

Dec.	Baro. meter	Wind.	Thermom. Lowest 8 am	Thermom. Highest	Weather, &c.	Thermom. 8 pm	notes	Rain 1'40
Su. 15.	30.14	W ₄ W ₃ W ₃	43 48 50		Cloudy, very blowing, but fine & airy, mild, flying shower at 1 1/2 pm, then fair again & more sun. - Mild & cloudy Evenng.	45	squally wind, & drying air.	.02
-32								
Mo. 16.	-29	W ₁ W ₁ NW ₁	45 49 50		Close, & mild, little misting dark, & foggy, and more so after 1 pm, and very mild & damp Evening.	48	very dark & damp.	.05
-31								
Tu. 17.	-31	W ₁ W ₂ W ₃	38 38 45		Chiefly clear, and the Eclipse well seen, just before the moon set. - Bright till 10 am, afterwards cloudy, & a drying air.	43	Full moon & Eclipse 8. 8 am.	
-18								
W. 18.	-00	NW ₃ NW ₃ N ₄	41 44 46		Clouds, and sun, with a drying breeze, in the forenoon, but more moist after 1 pm. some flying showers, and the evening the same.	41	☐ ☐ 4	.03
-04								
Th. 19.	-32	NE ₂ NE ₂ NE ₁	38 40 44		squally mornng before 6, but became fair, & bright, and chiefly so all day, but a few flying drops of rain. Evening & night fair.	39	Δ H ♀ 8 H ♀ * ♀ ♀	
-37								
F. 20.	-51	NE ₁ NE ₀ NE ₀	35 38 43		Cloudy, and dark, with a colder air, but fine, and calm atmosphere. - Evening and night near the same.	38		
-52								
S. 21.	-49	NE ₁ NE ₁ NE ₀	37 39 41		Cloudy, little more wind, but still gentle, and a colder air. Calm Evening, and very cloudy, night the same.	39	Debenham bells heard 7 pm.	
-45								
42 4 25			277	31.9	Mean Temp 42.57. Rain cal up 1'50.			

December 1861.

Dec.	Baro. meter	Wind.	Thermom. Lowest 8 am	Thermom. Highest	Weather, &c.	Thermom. 8 pm	notes	Rain 1'50
Su. 22.	30.41	NE ₂ NE ₁ NE ₀	37 38 40		cloudy, calm mornng, but more wind after 9 am, very dark all day, much cloud, but became calm again after sunset.	39	dark air but fine.	
-43								
Mo. 23.	-45	ENE ₂ ENE ₂ ENE ₁	37 42 45		Cloudy, more wind, clearer from 9 am. very fine, with grey clouds, & little sun. Evening in part clear, and rather frosty.	37 1/2	very fine.	
-52								
Tu. 24.	-49	E ₃ E ₃ E ₃	37 1/2 42 43		Cloudy with sun, and a very drying air, more so and parching for the season, roads & fields dry.	38	moon last Dr. 9.51 pm. ☐ 1/2 ♀	
-47								
W. 25.	-37	E ₁ E ₂ E ₀	32 34 42		Clear, white frost, very fine & bright, so continued, & no cloud whatever, but a light breeze. - Evenng clear, calm, and frosty.	33	exceedingly fine, and pleasant.	
-34								
Th. 26.	-34	E ₀ E _{1/2} E ₀	26 1/2 27 40		Fog, & hard frost, very bright all day, from 10 am, and fog gone. Evening clear upward, fog below, and hard frost.	31	* 1/2 ♂	
-46								
F. 27.	-60	Var. 0 E ₀ ESE ₂ SE ₁	25 27 39		Fog below, clear above, and very hard frost. Fog passed off before 11, bright till noon, then cloudy with sun, & more wind. Clear Evenng at first, but dull after 7 pm.	32	☐ 4 ♀	
-67								
S. 28.	-61	NE ₀ E ₁ E ₂	27 27 36		Some fog and frost, clouds, & sun, cold & raw, with more clouds after 11 am. Cloudy Evening, and little more wind at times.	33		
-61								
42 6 77			222	28.5	Mean Temp 36.21. Rain cal down 1'50.			

December 1861.

Dec	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	notes.	Rain 1.50
Su. 29.	30.52	W ₀ .	30		Cloudy, calm, & frosty, but gentle, - became very foggy & colder through the day, much sharper in the eveng.	very cold & raw.	
	-52	W ₁ .	31				
		W ₁ .	31				
Mo. 30.	-48	NW ₀ .	23		Sharp rim-frost, very foggy all day, less frost & a little rain - pm, - milder and no frost all the eveng & scarcely all night.	□ ♂ ♀ Stonham Aspal bells heard 7 pm.	.03
	-52	NW ₁ .	28				
		NE ₁ .	35				
Tu. 31.	-50	NE ₀ .	32		Cloudy, milder, and calm nearly alike all day, but no glimpse of the solar Eclipse. - Eveng very cloudy, & quite calm.	Solar Eclipse from moon. 1.54 pm.	
	-50	NE ₀ .	33				
		NE ₀ .	38				
18304			85	104	Mean Temp 3 days 31° 5.	Total rain	1.53.

Barometer

Highest on the 27th 30.67

Lowest on the 7th 29.23

Range --- 1.44

Mean of month - 30.20.

Gales on 3 days.

Thermometer.

Highest on the 9th - 53°

Lowest on the 30th - 23°

Range --- 30

Mean daily range - 8° 64

Mean of Month - 40° 04

Prevailing winds W, & NE. Fine days 19, and
Depth of rain 1.53 Inch. —

This month on the whole was mild, and the latter part was unusually serene and pleasant, a most striking contrast to the same period of previous year! Autumnal Fevers partially prevailed, but no great amount of sickness. —

The Year 1861 proved a happy contrast to its predecessor, and for the very long, and lovely Summer - from May 11th even to Oct. 31st we ought to be doubly grateful; so warm and fine a time as then prevailed in all the Southern, and Eastern Counties, may not again happen for many years to come. — A bountiful Year thus succeeding upon one of gloom, and deficiency - to cheer, solace, and replenish the Inhabitants of our land! We may fitly say, "let patience have her perfect work", and "in due season ye shall reap if ye faint not". And add also with the Psalmist - "Bless the Lord Oh my soul and forget not all His benefits"! — And again - "Oh that men would praise the Lord for His goodness, and for His wonderful works to the children of men"! The subjoined tables will show a very different result to that which stands at foot of the preceding year's summary, and is, on that account, far the more interesting for future occasions of reference. — See over →

General Results, 1861.

1861.	Winds. -								Gale days.	Fine days.	Rain in Inches.	Mean Bar.	Mean Temp.	Mean daily range.
	E	W	N	S	NE	SE	NW	SW						
Jan.	2	4½	½	3	4½	5½	4½	6½	2	17	1.14	30.23	31.57	8° 74
Feb.	1	2½	1	2	4	8	1	8½	5	17	2.79	29.93	41.34	10.44
March	1	12½	1	3½	0	3½	1½	8	6	15	2.36	29.81	44.37	14. —
April	7	2½	1	1	10½	1	4½	2½	0	19	1.26	30.25	44.85	16.63
May	2½	4½	1	0	10½	2½	6½	3½	0	25	1.25	30.18	53.62	17.16
June	4½	3	0	4	4	7	2½	5	0	19	1.12	30.08	61.19	16.65
July	0	6½	0	3½	0	5	1½	14½	3	15	4.50	29.73	63.46	14.22
Aug.	0	12	0	2	0	2	1	14	1	27	0.86	30.14	66.46	18.75
Sept.	1	7	0	6	0	3	3	10	1	17	1.73	30.00	59.36	16.70
Oct.	2	1	1	4	4	16	0	3	0	26	0.74	30.15	56.46	13.58
Nov.	0	5½	0	3½	1	½	5½	14	8	15	4.34	29.78	40.42	11.23
Dec.	5	7	0	4	6	4	2	3	3	19	1.53	30.20	40.04	8.64
1861	26	68½	5½	36½	44½	58	33½	92½	29	231	23.63	30.04	58.26	13.89

Highest Barom. Feb. 2nd 30.71, and lowest on March 19th 28.99.

Coldest on January 8th, 1° below Zero!

Hottest on August 12th 90°!

The distinguishing features of the Year 1861, were the severe cold early in January; - the long period of great warmth - from May 11th to Oct 31st; the stormy and wet November; and the fine and calm Christmas week.

Orlando Whistler.

